

01-30-15 LETTING ITEM 006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

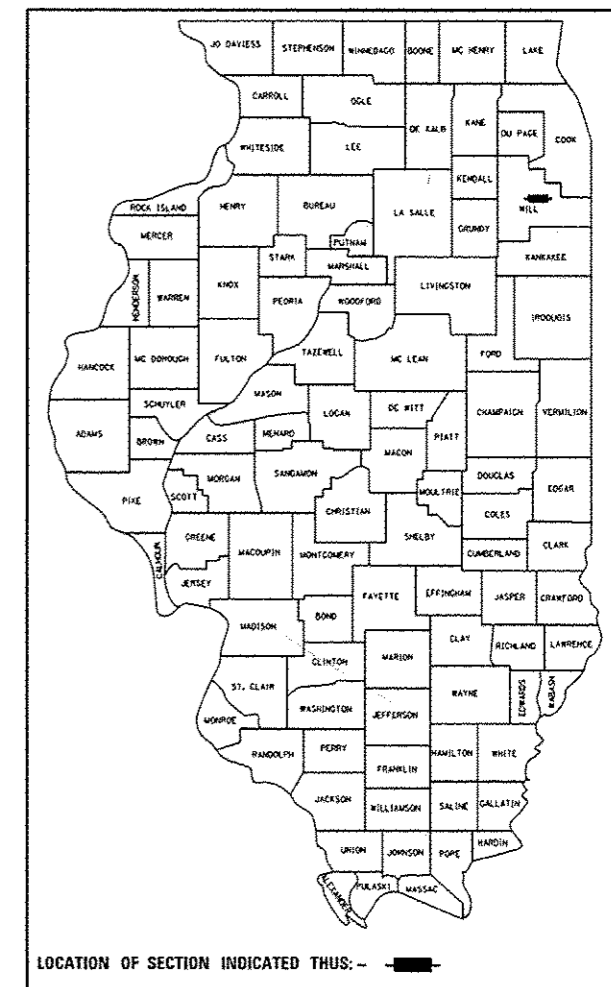
PROPOSED HIGHWAY PLANS

FAU ROUTE 607: US 30 EB (JEFFERSON ST.)
SECTION 128BP
OVER DES PLAINES RIVER
BRIDGE PAINTING
WILL COUNTY

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	*41	1
ILLINOIS CONTRACT NO. 60Y85				

*41 - 1 = 40

D-91-029-15



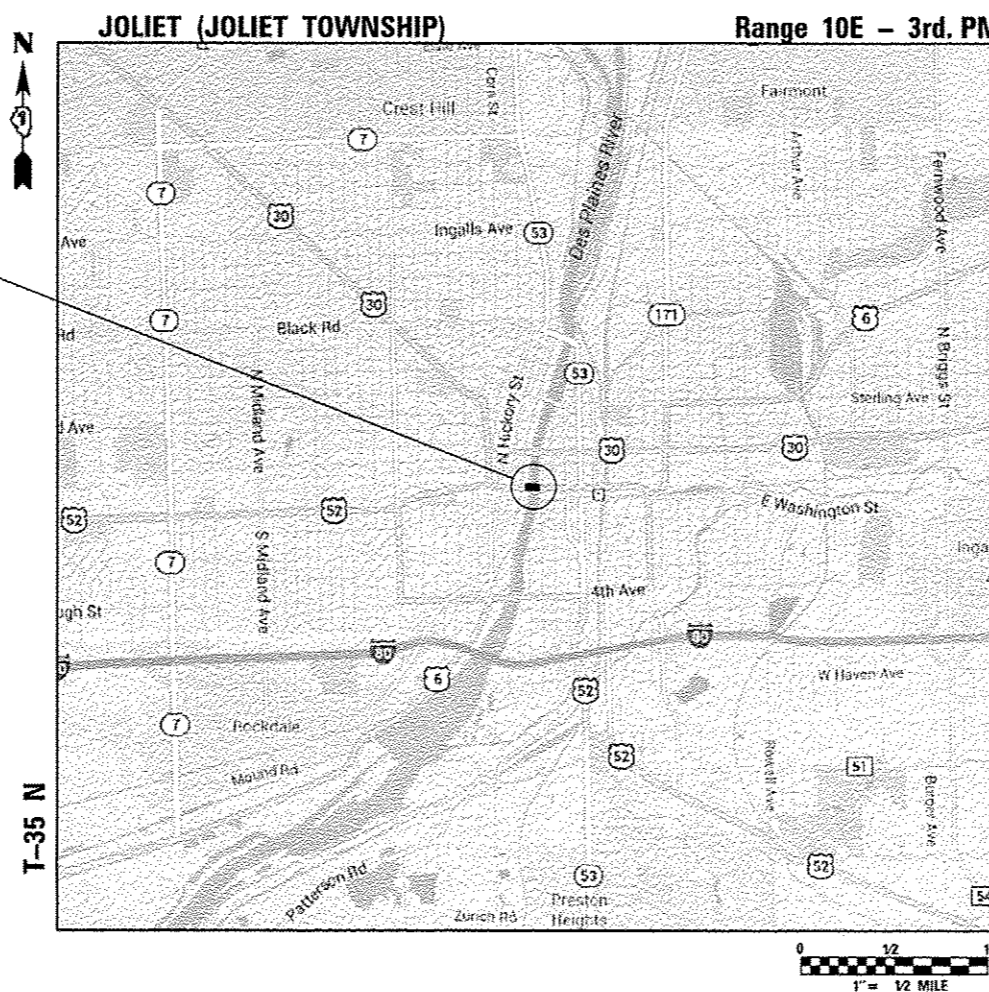
LOCATION OF SECTION INDICATED THUS: - ■ -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION
OTHER PRINCIPAL ARTERIAL
ADT 11,400 (2013)
SPEED LIMIT 30 MPH

IMPROVEMENT LOCATED IN
THE CITY OF JOLIET

C-91-029-15



IMPROVEMENT LOCATION
JEFFERSON STREET (US-30-EB)
OVER DES PLAINES RIVER



COLLINS ENGINEERS, INC.
JASON M. SCHNEIDER
NO. 81-7245
EXPIRES 11-30-2016



COLLINS ENGINEERS, INC.
MATTHEW G. REMPFER
NO. 062-054553
EXPIRES 11-30-2015

COLLINS ENGINEERS
123 N. WACKER DR., SUITE 900
CHICAGO, IL 60606
(312) 704-9300
ILLINOIS PROFESSIONAL DESIGN FIRM
LICENSE NO. 164-000993

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT MANAGER: MR. ISSAM RAYYAN, P.E. (847) 705-4178
PROJECT ENGINEER: MR. ROBERT T. BORO, P.E. (847) 705-4237

CONTRACT NO. 60Y85

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED OCTOBER 14, 2014

John D. Baranelli
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Dec 18 2014
John D. Baranelli PE
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 18 2014
Chris Osman PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES AND GENERAL NOTES FOR PAINT
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- 4 DETOUR PLAN US30 EB (JEFFERSON STREET) SN. 099-0166
- 5-39 EXISTING BRIDGE PLANS (SN. 099-0166)
- 40 TC-21 DETOUR SIGNING FOR CLOSING STATE HIGHWAY
- ~~41 TC-22 ARTERIAL ROAD INFORMATION SIGNING DELETED~~

STATE STANDARDS

- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TERM OPERATIONS
- 701801-05 SIDEWALK, CORNER, OR CROSSWALK CLOSURE
- 701901-04 TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES.
2. THE CONTRACTOR SHALL COORDINATE THE WORK WITH ALL AFFECTED UTILITIES AND THE CITY OF JOLIET.
3. THE CONTRACTOR SHALL NOT BE ALLOWED TO SETUP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE FOR THE WORK.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AT LEAST 72 HOURS PRIOR TO THE START OF WORK. *IN ADVANCE OF BEGINNING WORK.*
- ~~6. THE CONTRACTOR SHALL CONTACT THE BUREAU OF TRAFFIC SIGNALS AT (847) 705-4139 A MINIMUM OF 48 HOURS PRIOR TO THE CLOSURE SO THE DETOUR TRAFFIC ROUTE SIGNALS MAY BE ADJUSTED AS NECESSARY.~~
7. THE CONTRACTOR SHALL CONTACT THE MOVABLE BRIDGE TECHNICIAN A MINIMUM OF 48 HOURS PRIOR TO THE CLOSURE TO COORDINATE OPERATION OF THE BRIDGE.
8. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
9. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHTTIME OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJACENT RESIDENTIAL AREAS.
10. DO NOT SCALE THESE PLANS FOR CONSTRUCTION PURPOSES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, IDOT'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION, AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
12. WORK ON THIS STRUCTURE SHALL BE DONE IN SUCH A MANNER THAT THE CLOSURE OF THE BRIDGE TO RIVER TRAFFIC (PERIODS WHERE THE BRIDGE IS RESTRICTED IN THE DOWN POSITION) IS PROHIBITED. RIVER TRAFFIC IS TO BE MAINTAINED AT ALL TIMES. WORK THAT REQUIRES THE BRIDGE TO BE IMMOBILIZED SHALL BE DONE WITH THE BRIDGE IN THE UP POSITION, SUBJECT TO COAST GUARD APPROVAL.
13. THE CONTRACTOR SHALL OBTAIN COAST GUARD APPROVAL TO OCCUPY NAVIGABLE WATERS, IF REQUIRED, FOR THE PROPOSED WORK. A WORK PLAN SHALL BE PREPARED BY THE CONTRACTOR, REVIEWED AND APPROVED BY THE ENGINEER, AND SUBMITTED BY THE ENGINEER TO THE COAST GUARD FOR APPROVAL.
14. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO ENSURE THAT NO DEBRIS WILL ENDANGER OR INTERFERE WITH RIVER TRAFFIC BENEATH THE BRIDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPROPRIATE PAY ITEM.
15. ALL BRIDGE PLAN SHEETS HAVE BEEN EXCERPTED FROM THE EXISTING BRIDGE PLANS. INFORMATION THAT DOES NOT PERTAIN TO THIS CONTRACT (E.G. STEEL REPAIRS, MEMBER REPLACEMENT) MAY BE SHOWN ON THE EXISTING SHEETS.

PAINTING GENERAL NOTES

1. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION "CLEANING AND PAINTING EXISTING STEEL STRUCTURES."
2. THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.
3. THE CONTRACTOR SHALL SUBMIT CALCULATIONS AND DETAILS DEMONSTRATING THE STRUCTURAL INTEGRITY OF THE BRIDGE IS MAINTAINED UNDER THE ADDITIONAL IMPOSED LOADS OF THE CONTAINMENT SYSTEM. SEE SPECIAL PROVISIONS.
4. A MINIMUM OF FOUR (4) AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUE."
5. ALL ITEMS (SUCH AS, BUT NOT LIMITED TO, CONDUITS, BRACKETS, DECK DRAINS) ATTACHED TO THE STRUCTURE WITHIN THE LIMITS OF THE CLEANING AND PAINTING SHALL ALSO BE CLEANED AND PAINTED.
6. THE AREAS DESIGNATED TO BE CLEANED AND PAINTED SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 AND SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZE/U. THE COLOR OF THE FINISH COAT SHALL BE AS SPECIFIED BELOW.

APPROACH SPANS

1. THE EXISTING FLOOR BEAMS AT THE EAST ABUTMENT AND WEST ABUTMENT, ALONG WITH THE EXISTING STRINGERS WITHIN 5'-0" OF THE ABUTMENT FLOOR BEAMS, SHALL BE CLEANED AND PAINTED.
2. THE EXISTING FASCIA GIRDERS, ALONG WITH ALL STRINGER CONNECTION STEEL AND STRINGERS WITHIN 2'-0" OF THE FASCIA GIRDER, SHALL BE CLEANED AND PAINTED.
3. ALL EXISTING TRACK GIRDERS SHALL BE CLEANED AND PAINTED.
4. ALL EXISTING STEEL MEMBERS BELOW THE TIMBER SIDEWALK DECK SHALL BE CLEANED AND PAINTED.
5. ALL EXISTING ORNAMENTAL HANDRAIL ALONG THE SIDEWALK SHALL BE CLEANED AND PAINTED.
6. ALL EXISTING INTERIOR METAL RAILINGS ADJACENT TO THE TRACK GIRDERS SHALL BE CLEANED AND PAINTED.
7. THE COLOR OF THE FINAL FINISH COAT FOR ALL APPROACH SPAN STEEL SHALL BE GREEN, MUNSELL NO. 2.5YR 3/4.

RASCULE SPAN

1. ALL EXISTING STRUCTURAL STEEL MEMBERS BELOW THE STEEL GRID DECK SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GRAY, MUNSELL NO. 5B 7/1.
2. ALL EXISTING STEEL MEMBERS BELOW THE TIMBER SIDEWALK DECK SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 2.5YR 3/4.
3. THE EXISTING LOWER CHORD ABOVE AND BELOW THE DECK LEVEL SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 2.5YR 3/4.
4. THE EXISTING LOWER CHORD GUSSET PLATES ABOVE AND BELOW THE DECK LEVEL, INCLUDING PORTIONS OF VERTICAL AND DIAGONAL MEMBERS AND MISCELLANEOUS STEEL CONNECTED TO THE GUSSETS, SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 2.5YR 3/4.
5. ALL EXISTING ORNAMENTAL HANDRAIL ALONG THE SIDEWALK SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 2.5YR 3/4.

MISCELLANEOUS AREAS

1. ALL EXISTING WALKWAY FRAMING AND HANDRAILS TO THE GENERATOR LOCATED IN THE NORTHEAST CORNER OF THE STRUCTURE SHALL BE CLEANED AND PAINTED. AS REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL, STORAGE, PROTECTION AND RE-INSTALLATION OF THE EXISTING GALVANIZED CHAIN LINK AND WALKWAY GRATING DURING CLEANING AND PAINTING OPERATIONS. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 2.5YR 3/4.



USER NAME : ddradio	DESIGNED -	REVISED -
PLOT SCALE : 2,000' / 1" = 1"	DRAWN -	REVISED -
PLOT DATE : 10/14/2014	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

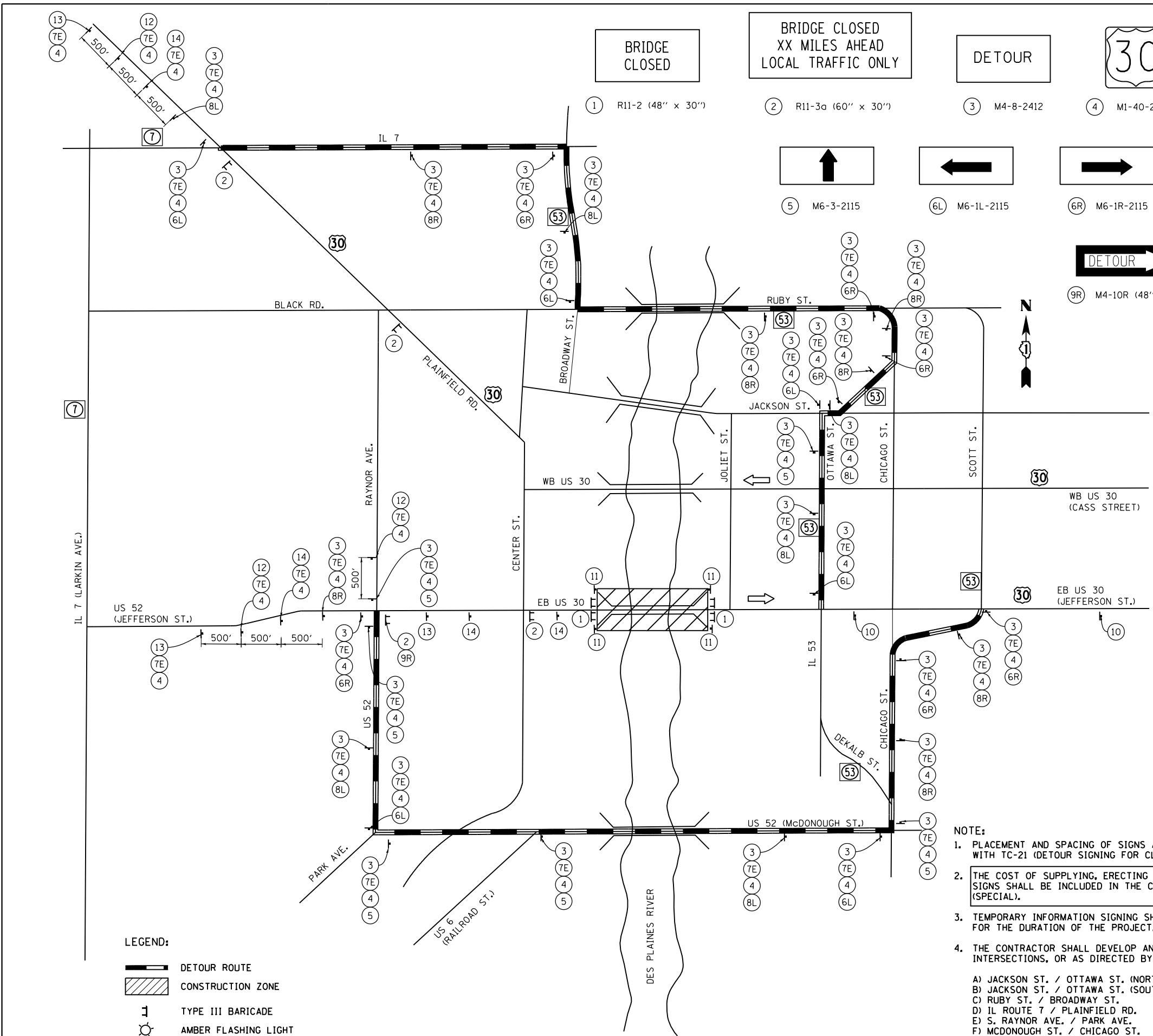
INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES
AND GENERAL NOTES FOR PAINT
STRUCTURE NUMBER: 099-0166

F.A.P. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	2
			CONTRACT NO. 60Y85	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

Rev.

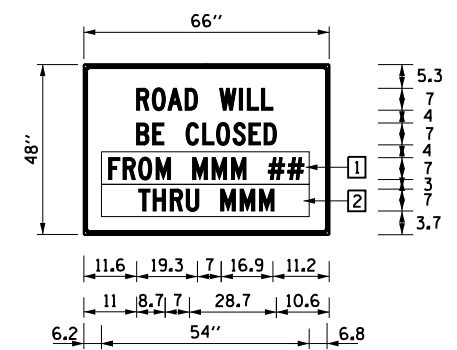
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				URBAN 100% STATE BRIDGE 0014 S. N. 099-0166
67000400	ENGINEER'S FILED OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
85000300	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	L SUM	1	1
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	25.7	25.7
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	6	6
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1



- BRIDGE CLOSED
- BRIDGE CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
- DETOUR
- 30
- RIGHT TURN
- LEFT TURN
- END DETOUR

- 1 R11-2 (48" x 30")
- 2 R11-3a (60" x 30")
- 3 M4-8-2412
- 4 M1-40-2424
- 8R M5-1R-2115
- 8L M5-1L-2115
- 10 M4-8A (24" x 18")
- 5 M6-3-2115
- 6L M6-1L-2115
- 6R M6-1R-2115
- 7E M3-2-2412
- 7W M3-4-2412
- 11 R11-1101

- DETOUR
- DETOUR
- DETOUR AHEAD
- ROAD CLOSED AHEAD
- 9R M4-10R (48"x18")
- 9L M4-10R (48"x18")
- 12 W20-2 (48" x 48")
- 13 W20-3 (48" x 48")



ARTERIAL ROAD INFORMATION SIGN FOR ROADS TO BE FULLY CLOSED AND DETOURED
6'R, 1.3" BORDER, BLACK ON ORANGE

- ARTERIAL ROAD INFORMATION SIGN NOTES:
1. SIGN SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING. ONE SIGN ASSEMBLY EQUALS 27.3 SQ FT.
 2. OVERLAY PANELS SHALL BE "HIGHWAY C" FONT
 3. OVERLAY PANEL 1 TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION
 4. OVERLAY PANEL 2 TO CONTAIN ENDING MONTH OF FULL CLOSURE AND DETOUR. OMIT THE DATE ON PANEL; MONTH ONLY.
 5. ERECT SIGN ASSEMBLY (POST-MOUNTED) WITH PANELS 1 AND 2 IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.

- NOTE:
1. PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH TC-21 (DETOUR SIGNING FOR CLOSING STATE HIGHWAYS).
 2. THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND SIGNS SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
 3. TEMPORARY INFORMATION SIGNING SHALL BE PLACED AT EACH END OF EB US 30 (JEFFERSON ST.) FOR THE DURATION OF THE PROJECT.
 4. THE CONTRACTOR SHALL DEVELOP AND MAINTAIN APPROPRIATE SIGNAL TIMINGS FOR THE FOLLOWING INTERSECTIONS, OR AS DIRECTED BY THE ENGINEER
 - A) JACKSON ST. / OTTAWA ST. (NORTH LEG)
 - B) JACKSON ST. / OTTAWA ST. (SOUTH LEG)
 - C) RUBY ST. / BROADWAY ST.
 - D) IL ROUTE 7 / PLAINFIELD RD.
 - E) S. RAYNOR AVE. / PARK AVE.
 - F) MCDONOUGH ST. / CHICAGO ST.

- LEGEND:
- DETOUR ROUTE
 - CONSTRUCTION ZONE
 - TYPE III BARRICADE
 - AMBER FLASHING LIGHT

COLLINS ENGINEERS

USER NAME = rge11	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/20/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

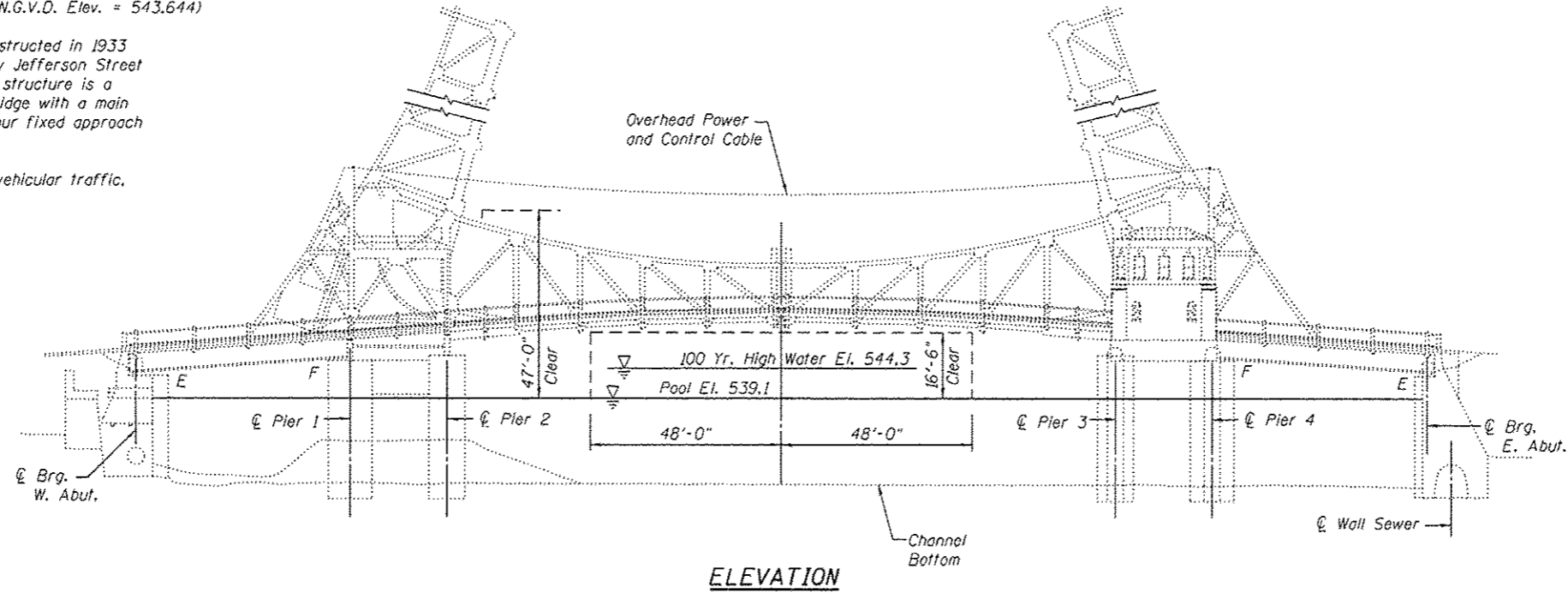
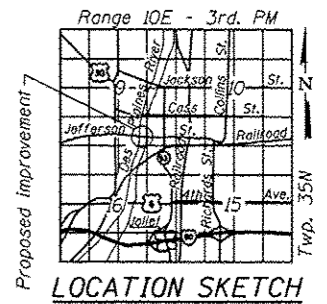
DETOUR PLAN
US 30 EB (JEFFERSON STREET) - S.N. 099-0166
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	4
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				

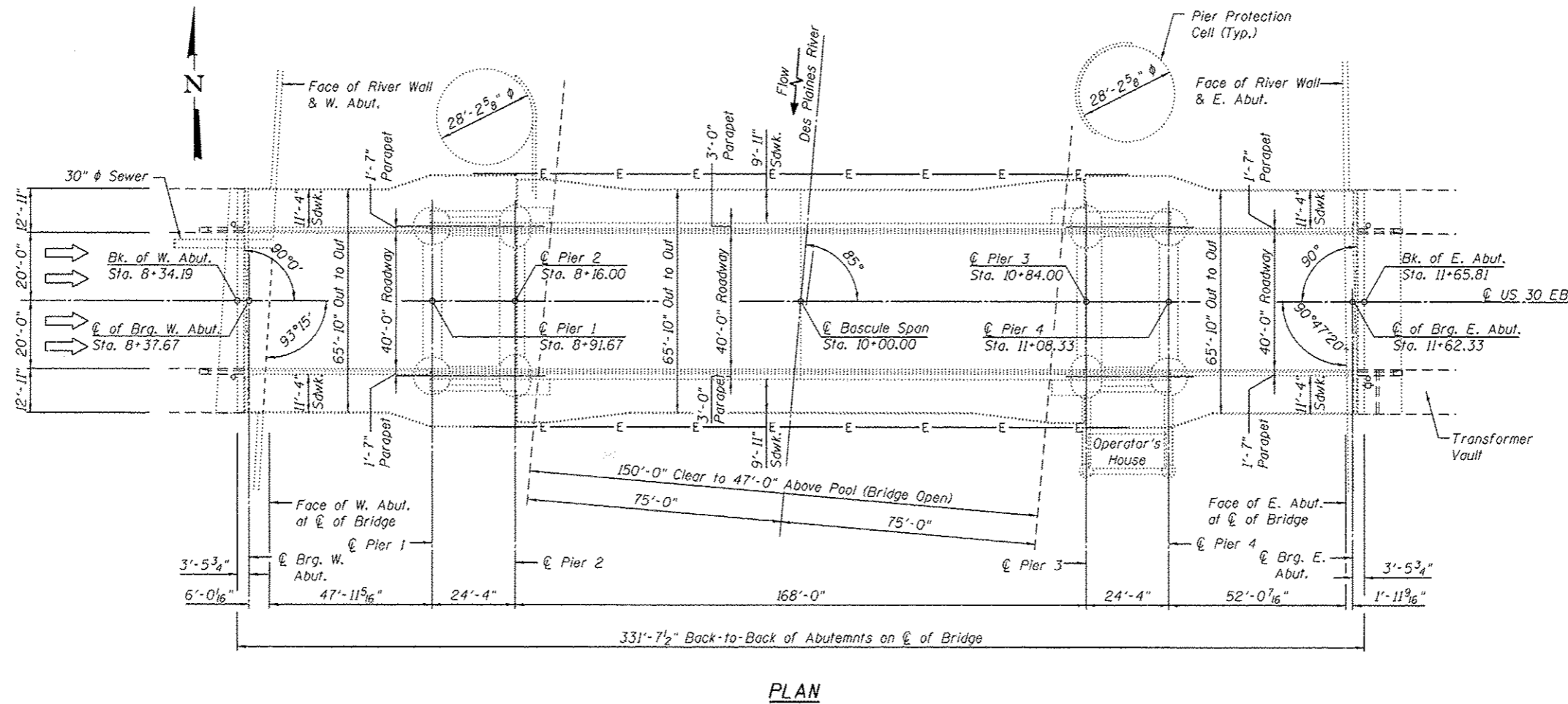
Bench Mark: Brass disk in concrete wall (M.S.L. Elev. 544.082)
Sta. 105+09.54 BR Right Bank (N.G.V.D. Elev. = 543.644)

Existing Structure: S.N. 099-0166 was originally constructed in 1933 under Section 128-BR-1 to carry Jefferson Street over the Des Plaines River. The structure is a Scherzer Rolling Lift Bascule Bridge with a main moveable span of 168'-0" and four fixed approach spans.

An assigned detour route will be utilized to maintain vehicular traffic, but the channel will remain open to river traffic.



STATE OF ILLINOIS
Professional Engineer
JASON M. SCHNEIDER
No. 81-7245
EXPIRES 11-30-2016
10/9/14



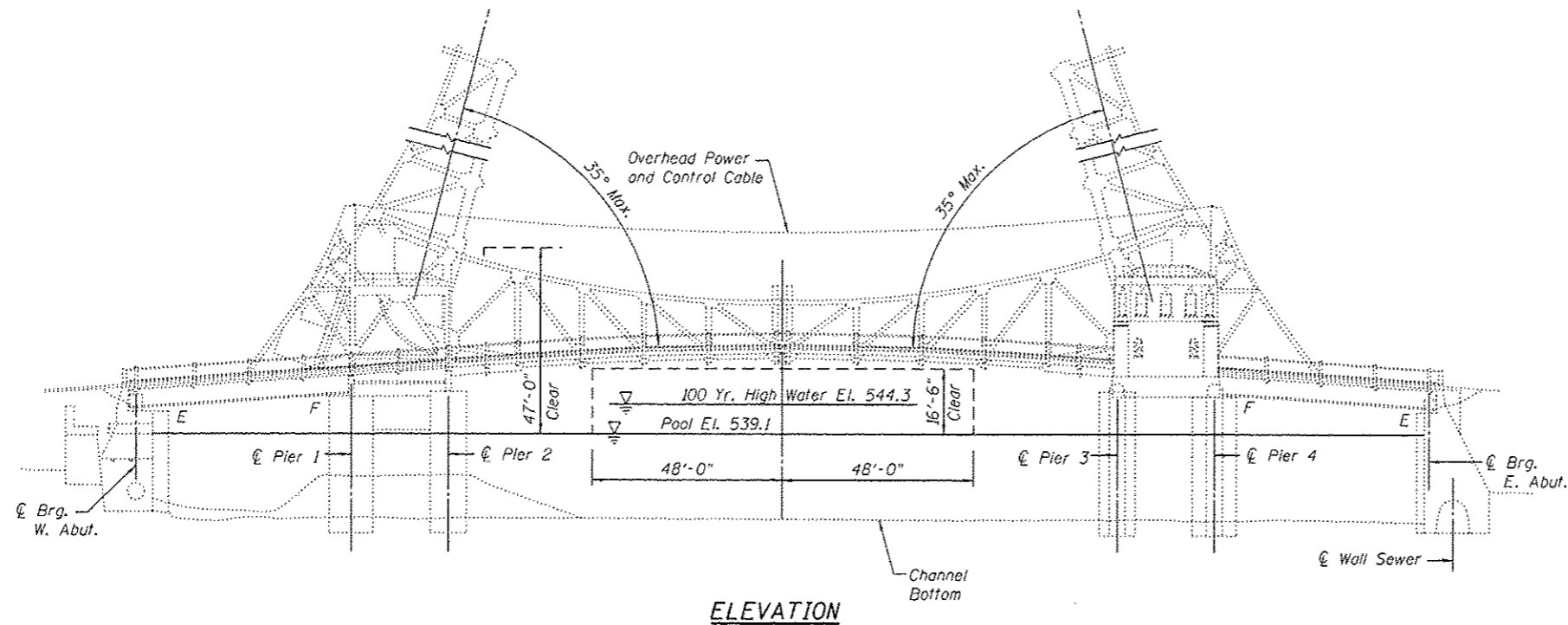
COLLINS ENGINEERS

USER NAME : jschneider	DESIGNED -	REVISED -
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PLOT DATE = 10/9/2014	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NUMBER: 099-0166

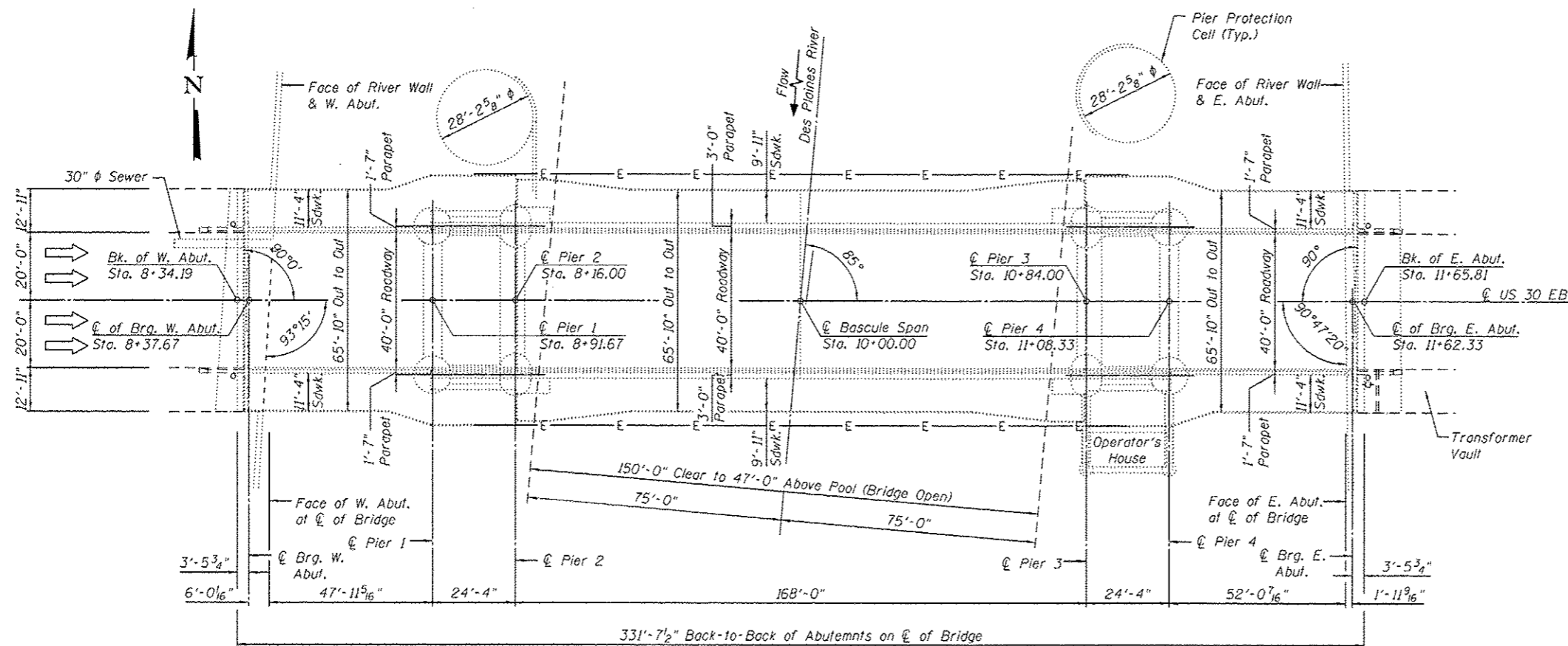
F.A.P. RTE. 607	SECTION 128BP	COUNTY WILL	TOTAL SHEETS 5	SHEET NO. 5
SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 60Y85
ILLINOIS FED. AID PROJECT				



ELEVATION

BRIDGE PAINTING NOTES:

- The maximum raised bridge position for the bridge while it is wrapped for containment during blasting and painting operations is 35°. The Contractor shall submit calculations and details demonstrating the structural integrity of the bridge is maintained under the additional imposed loads of the containment system. See Special Provisions.



PLAN

COLLINS ENGINEERS

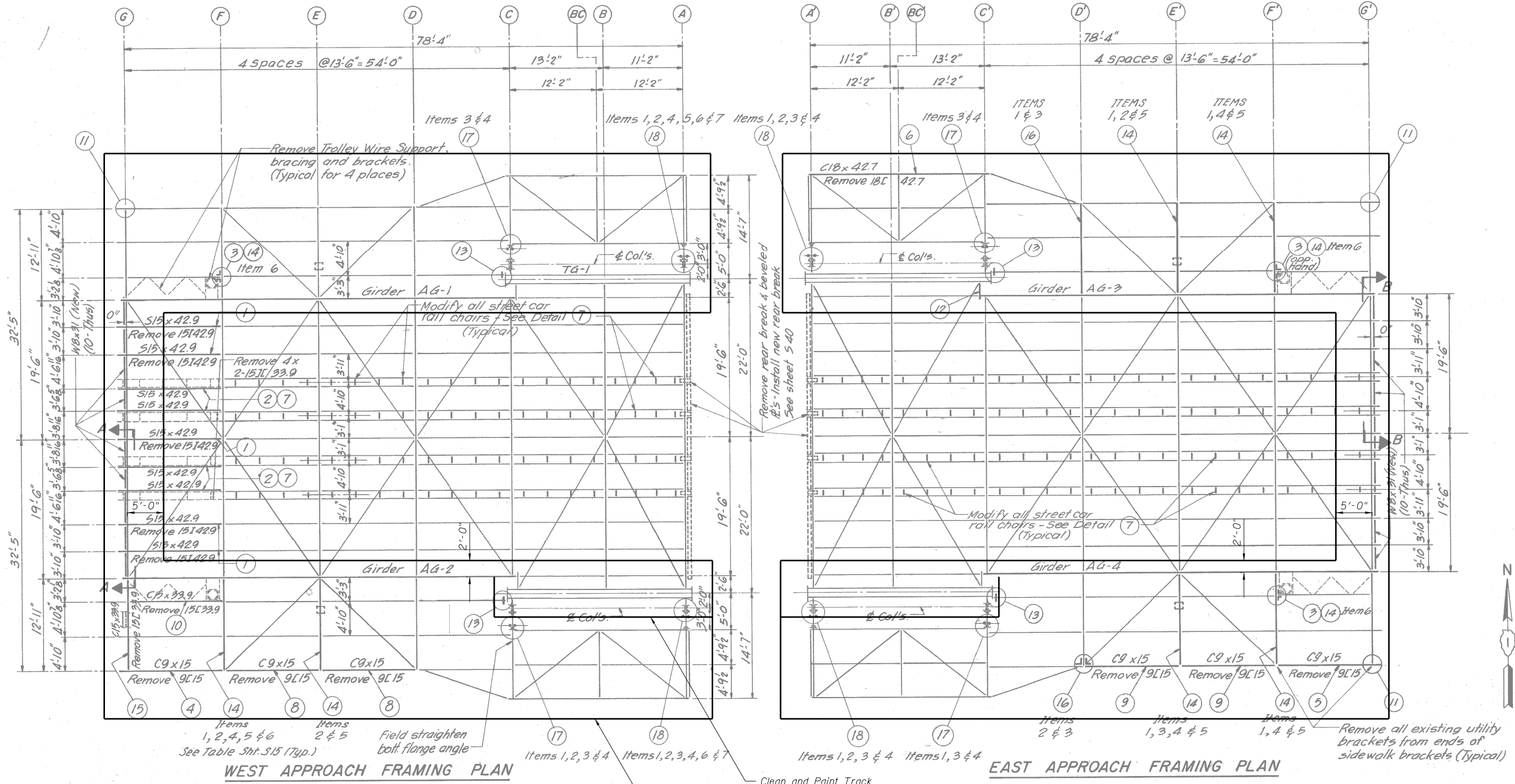
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	1288P	WILL	41	6
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				



NOTES:

- The existing floor beams at the East Abutment and West Abutment, along with the existing stringers within 5'-0" of the abutment floor beams, shall be cleaned and painted.
- The existing fascia girders, along with all stringer connection steel and stringers within 2'-0" of the fascia girder, shall be cleaned and painted.
- All existing track girders shall be cleaned and painted.
- All existing steel members below the timber sidewalk deck shall be cleaned and painted.
- All existing ornamental handrail along the sidewalk shall be cleaned and painted.
- All existing interior metal railings adjacent to the track girders shall be cleaned and painted.
- The color of the final finish coat for all approach span steel shall be Green, Munsell No. 2.5YR 3/4.

Clean and Paint Track
Girder Handrail
See Sheet S39

Limits of Cleaning and Painting
of Existing Structural Steel

FOR INFORMATION ONLY

COLLINS ENGINEERS

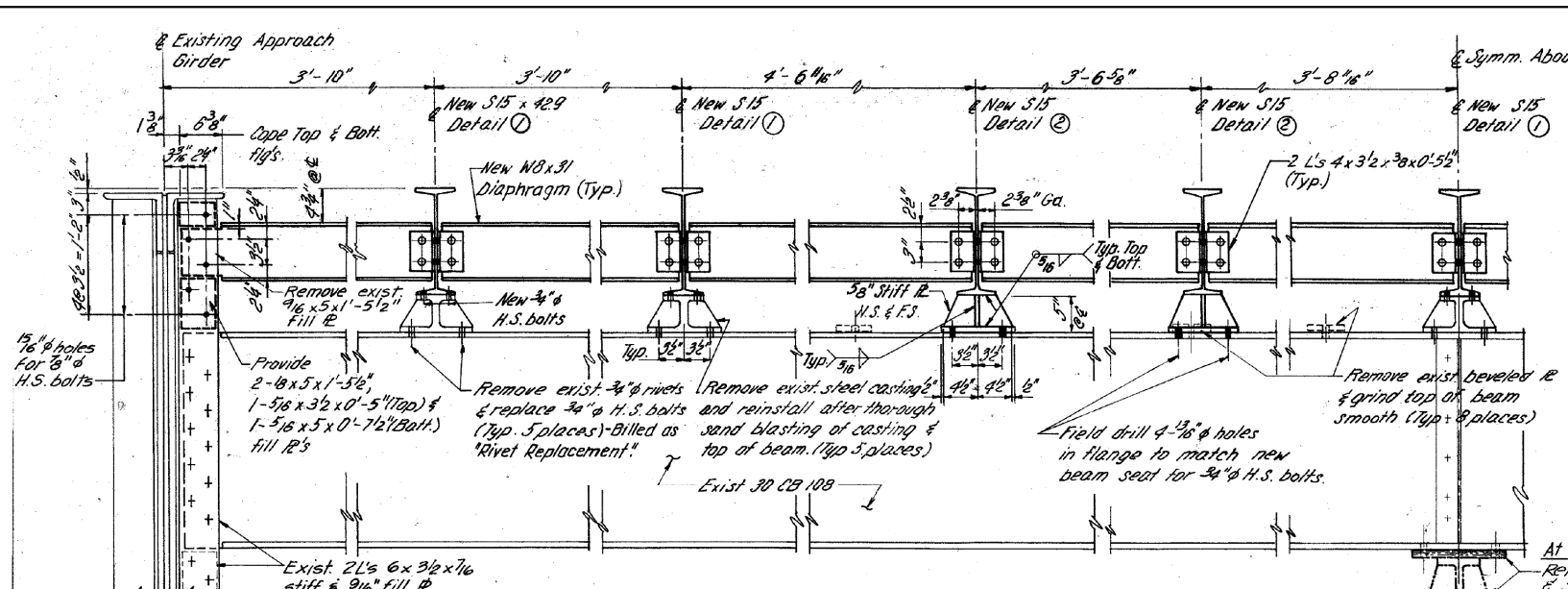
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

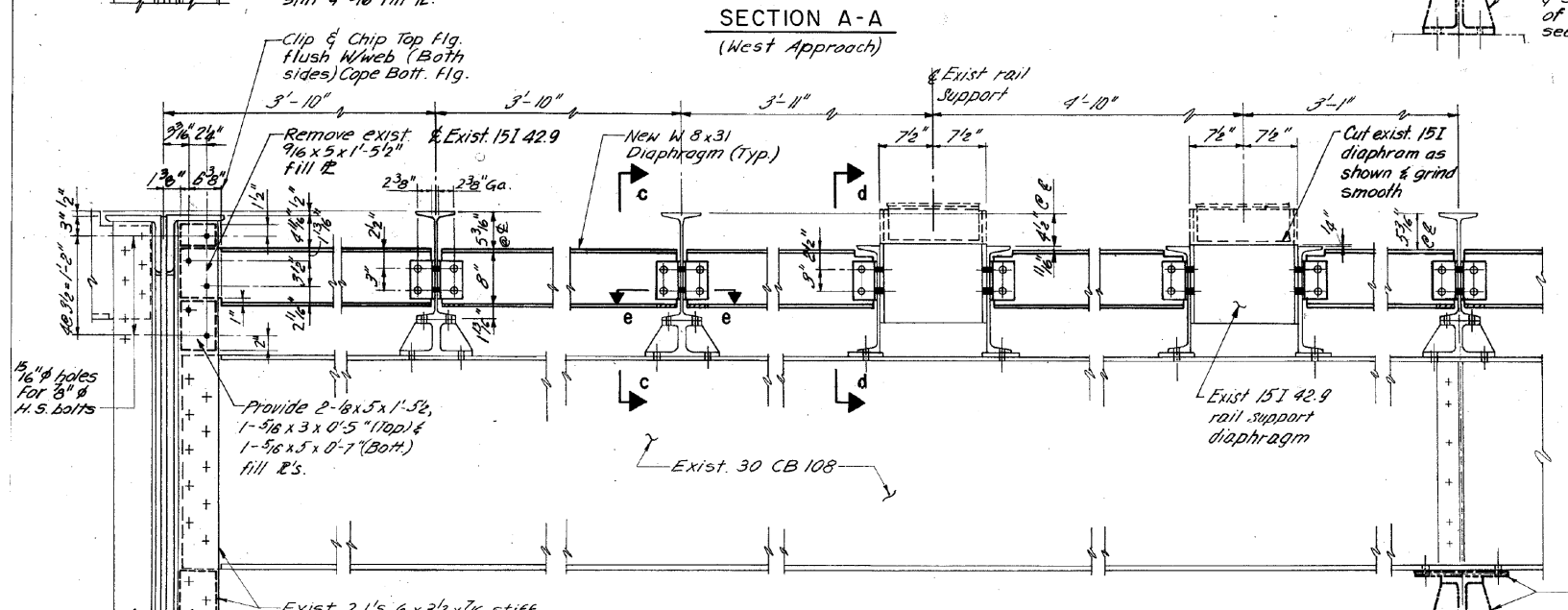
**APPROACH SPAN FRAMING PLAN
STRUCTURE NUMBER: 099-0166**

SCALE: SHEET OF SHEETS STA. TO STA.

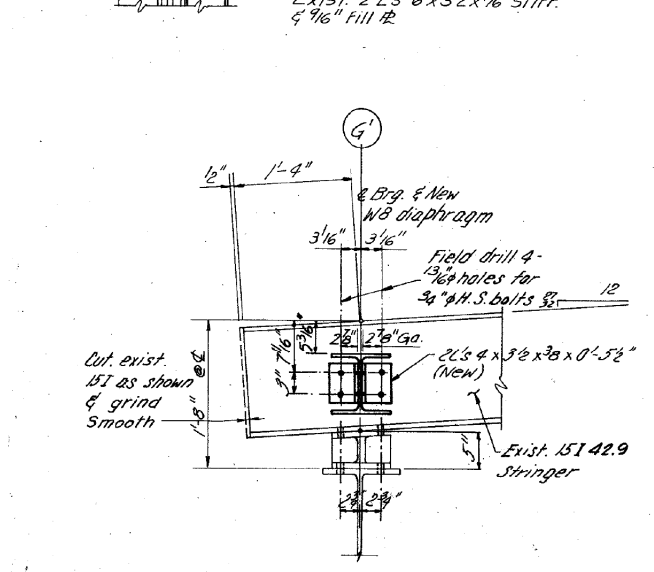
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607	128BP	WILL	41	7
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				



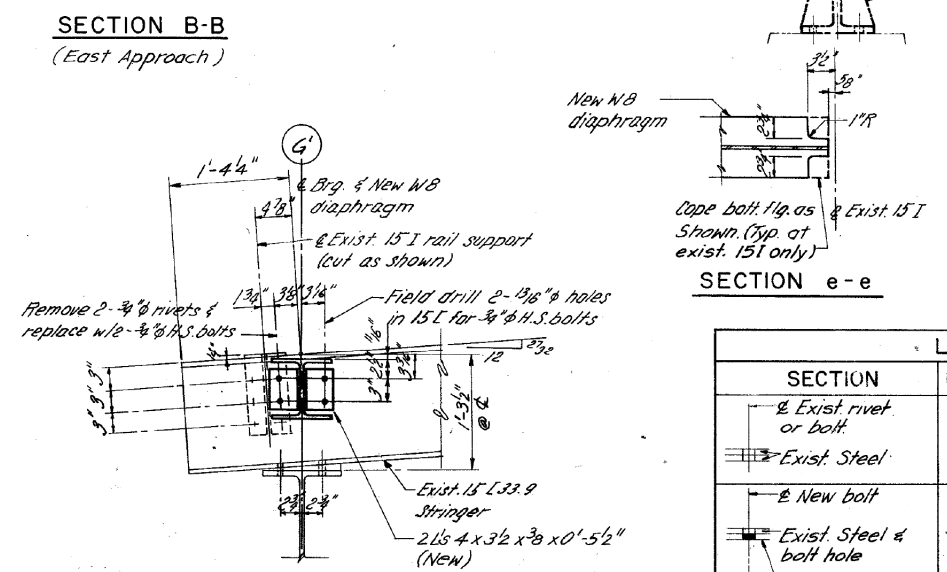
SECTION A-A
(West Approach)



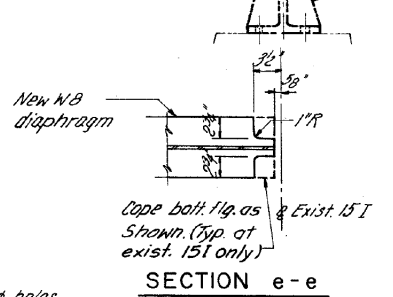
SECTION B-B
(East Approach)



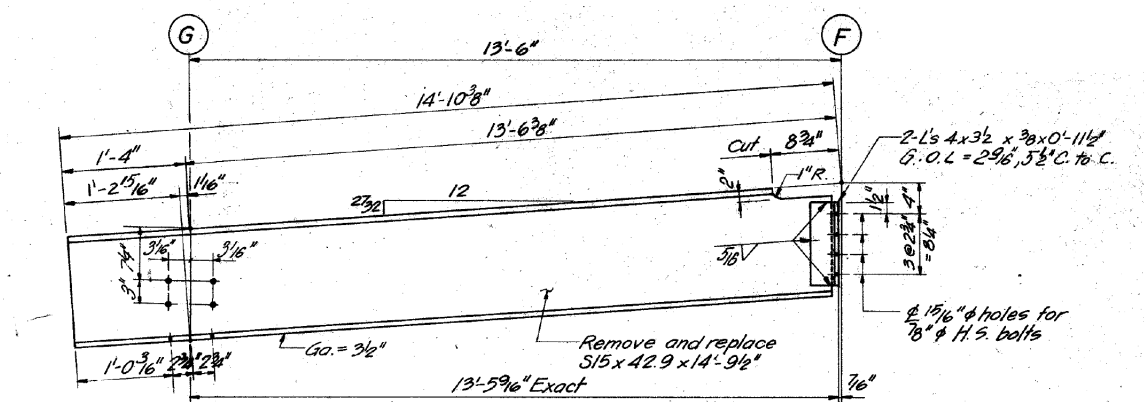
SECTION c-c



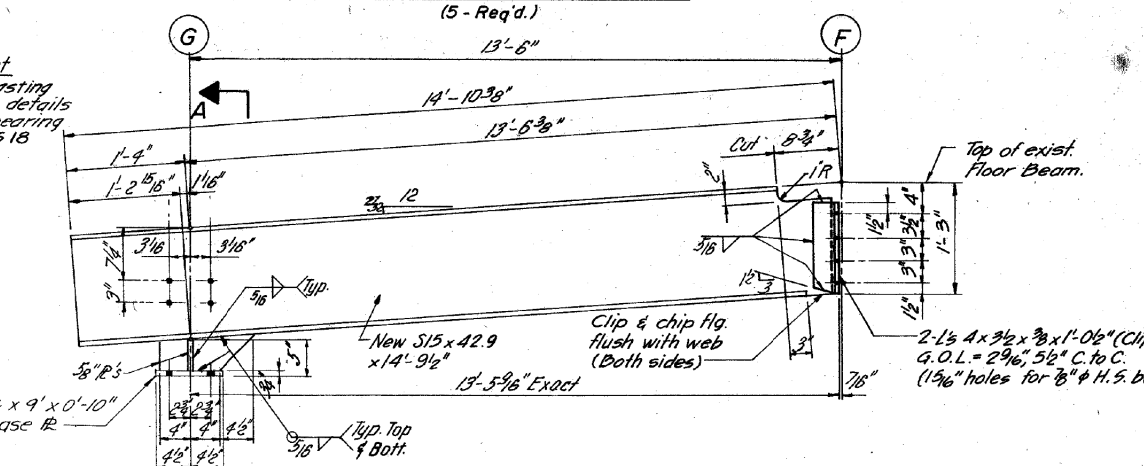
SECTION d-d



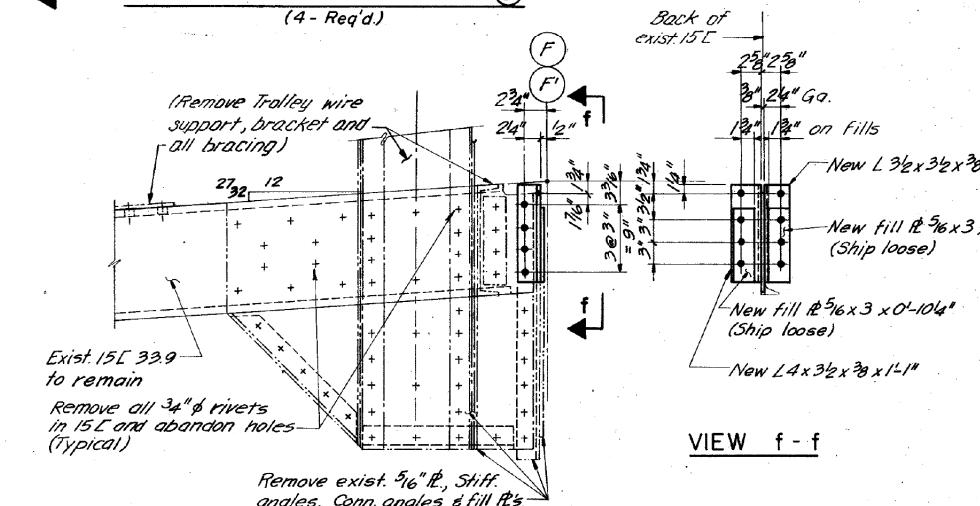
SECTION e-e



ROADWAY STRINGER - DETAIL 1
(5 - Req'd.)



ROADWAY STRINGER - DETAIL 2
(4 - Req'd.)



VIEW f-f

STRINGER CONNECTION - DETAIL 3
(2 - Req'd. as Shown, 1 - Req'd. opp Hand)

LEGEND		
SECTION	ELEVATION	DESCRIPTION
⊕		⊕ Exist rivet or bolt
—		— Exist Steel
—		— New bolt
⊕		⊕ Exist Steel & bolt hole
—		— New Steel
⊕		⊕ New shop bolts
⊕		⊕ New field bolts

- Notes:
- For location of new members detailed on this sheet, see sheet No. 512
 - See sheet No. 512 for framing notes
 - All holes shall be 1/16 inch for 3/4 inch H.S. bolts, unless noted.

FOR INFORMATION ONLY

COLLINS ENGINEERS

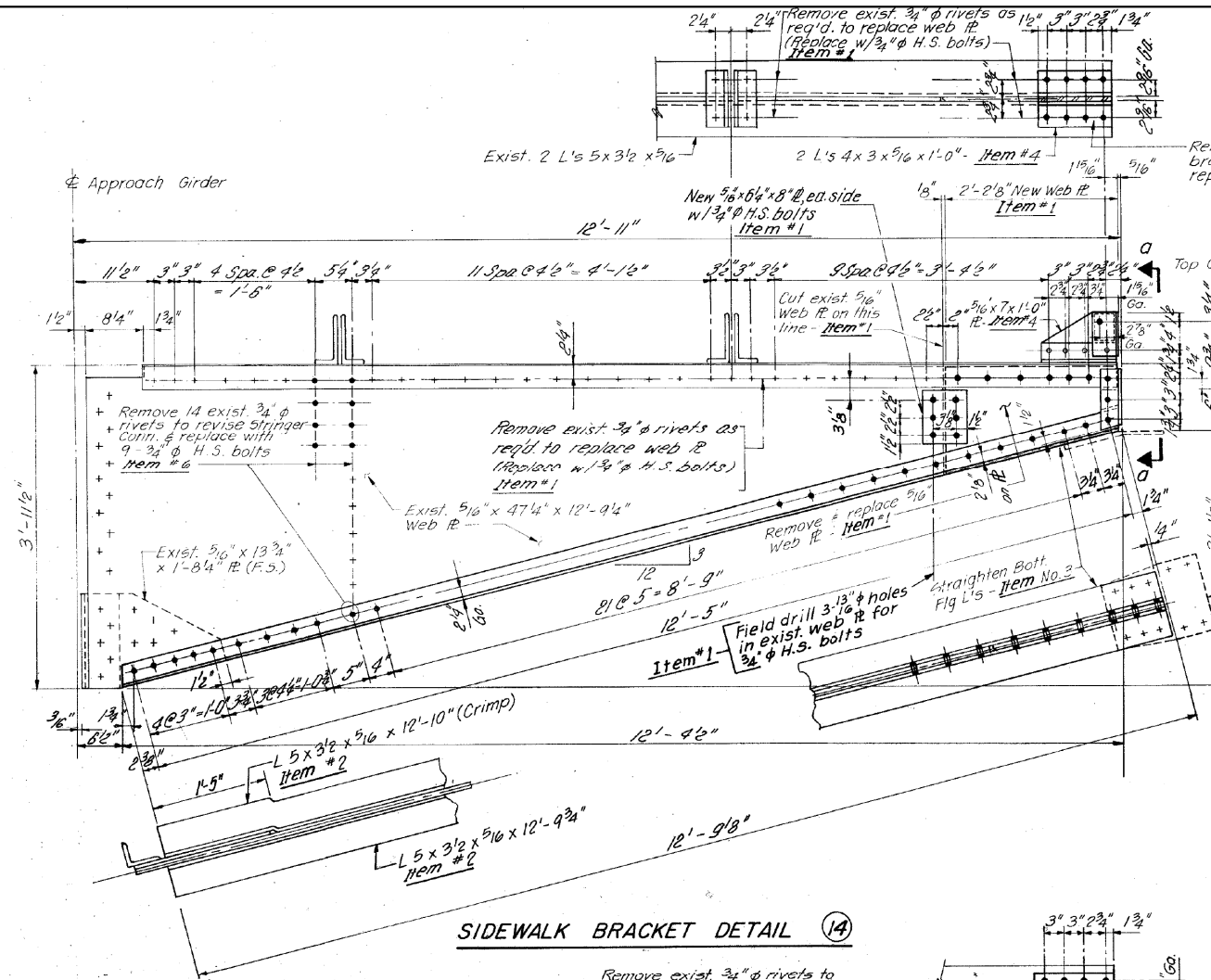
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PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/14/2014	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SPAN STEEL DETAILS I
STRUCTURE NUMBER: 099-0166

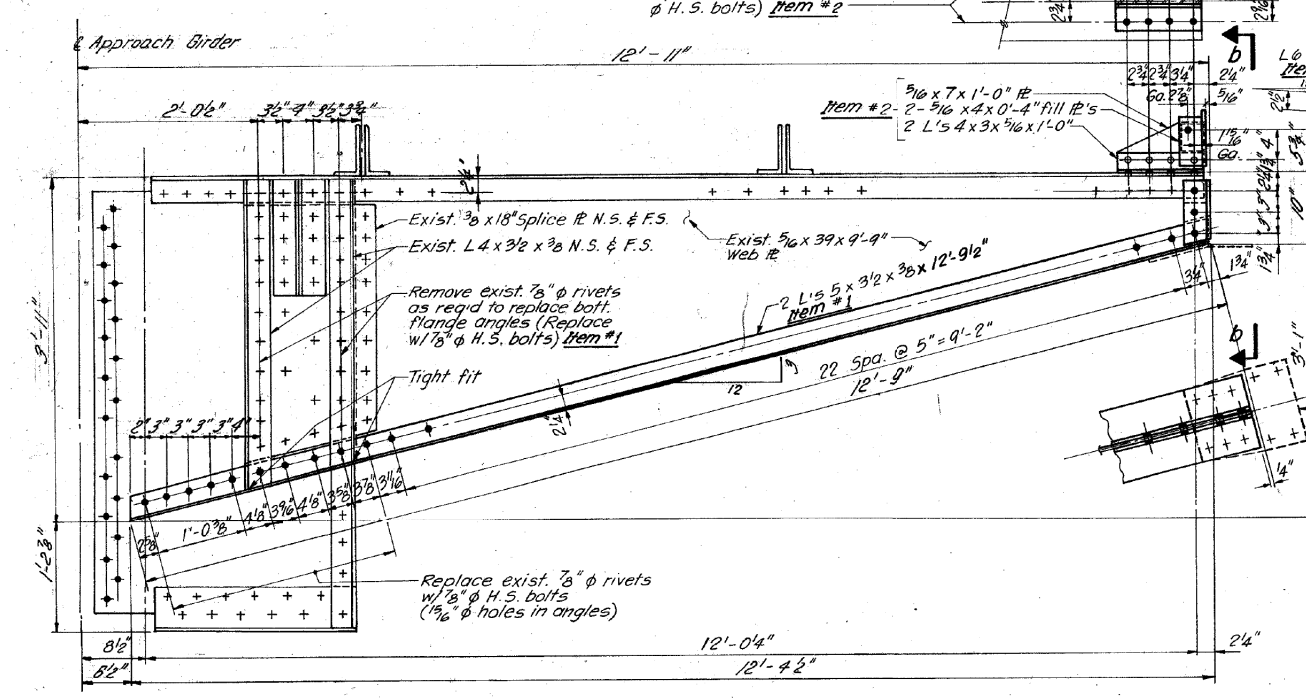
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	8
				CONTRACT NO. 60Y85
ILLINOIS FED. AID PROJECT				



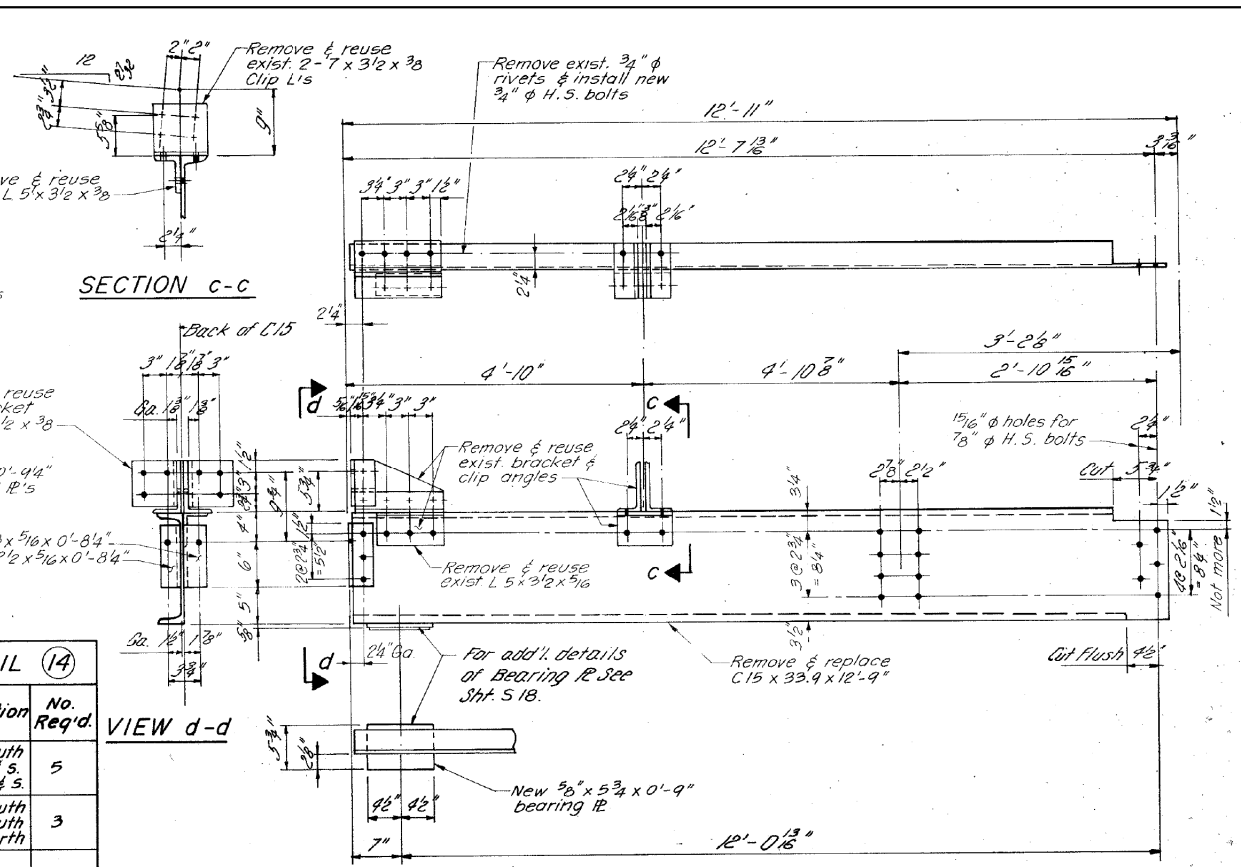
SIDEWALK BRACKET DETAIL (14)

Item	Description	Location	No. Req'd.
1.	Remove & replace portion of 5/16\"	F South E.N. & S. F.N. & S.	5
2.	Remove & replace bottom flange angles	E South F South E North	3
3.	Field straighten bottom flange angles	E South	1
4.	Remove & replace complete fascia channel bracket	F South E South F.N. & S.	4
5.	Remove & replace H.R. post connection angles	E South F South E.N. & S. F.N. & S.	6
6.	Remove exist. 3/4\"	F.N. & S. F.N. & S.	4



SIDEWALK BRACKET DETAIL (16)

Item	Description	Location	No. Req'd.
1.	Remove & replace bottom flange angles	D North	1
2.	Remove & replace complete fascia channel bracket	D South	1
3.	Remove & replace H.R. post connection angles	D North D South	2



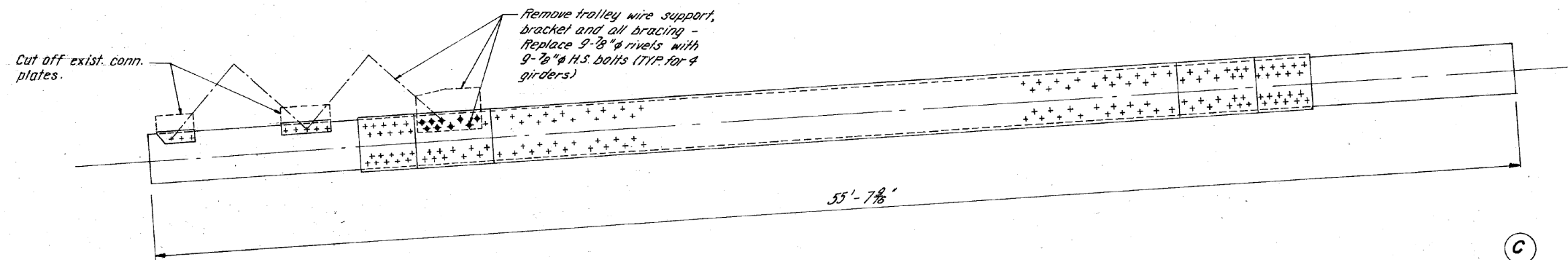
SIDEWALK BRACKET DETAIL (15) 1 - Req'd.

- NOTES:**
- For location of new members detailed on this sheet, See sheet No. S12.
 - See Sheet No. S12 for framing notes.
 - All holes shall be 1/16\"

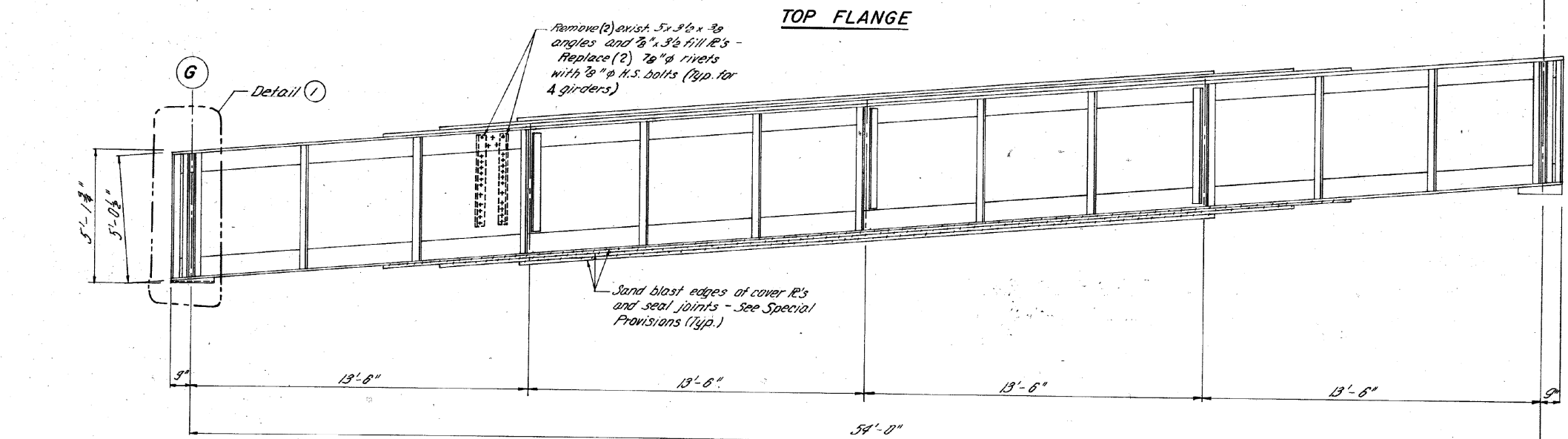
LEGEND

SECTION	ELEVATION	DESCRIPTION
⊕	+	Indicates rivets or bolts to remain.
⊕	⊕	Indicates new bolts in existing or new steel
⊕	⊕	Indicates new bolts in existing or new steel
⊕	⊕	Indicates new bolts in existing or new steel

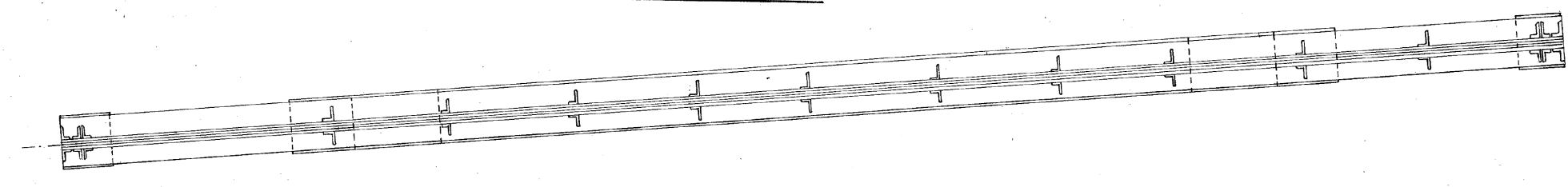
FOR INFORMATION ONLY



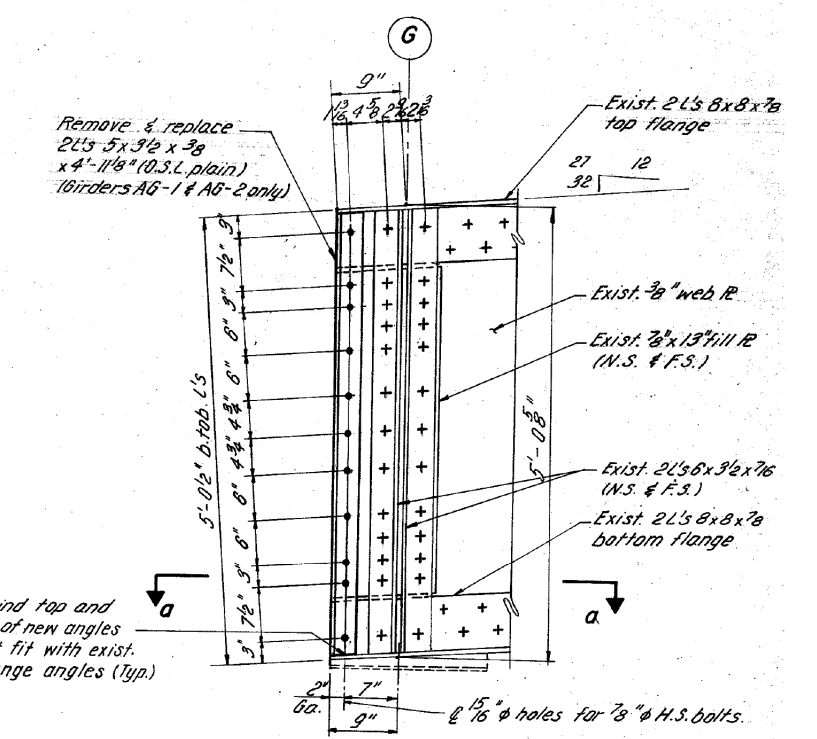
TOP FLANGE



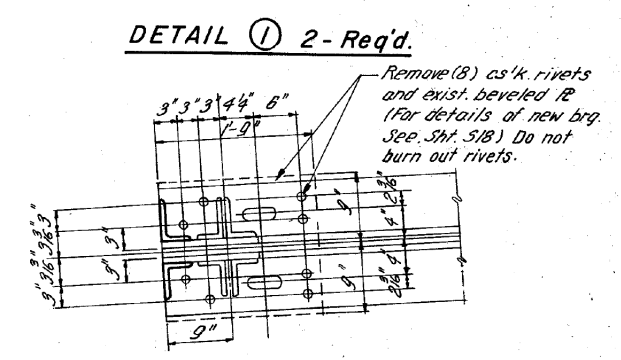
GIRDER ELEVATION



BOTTOM FLANGE



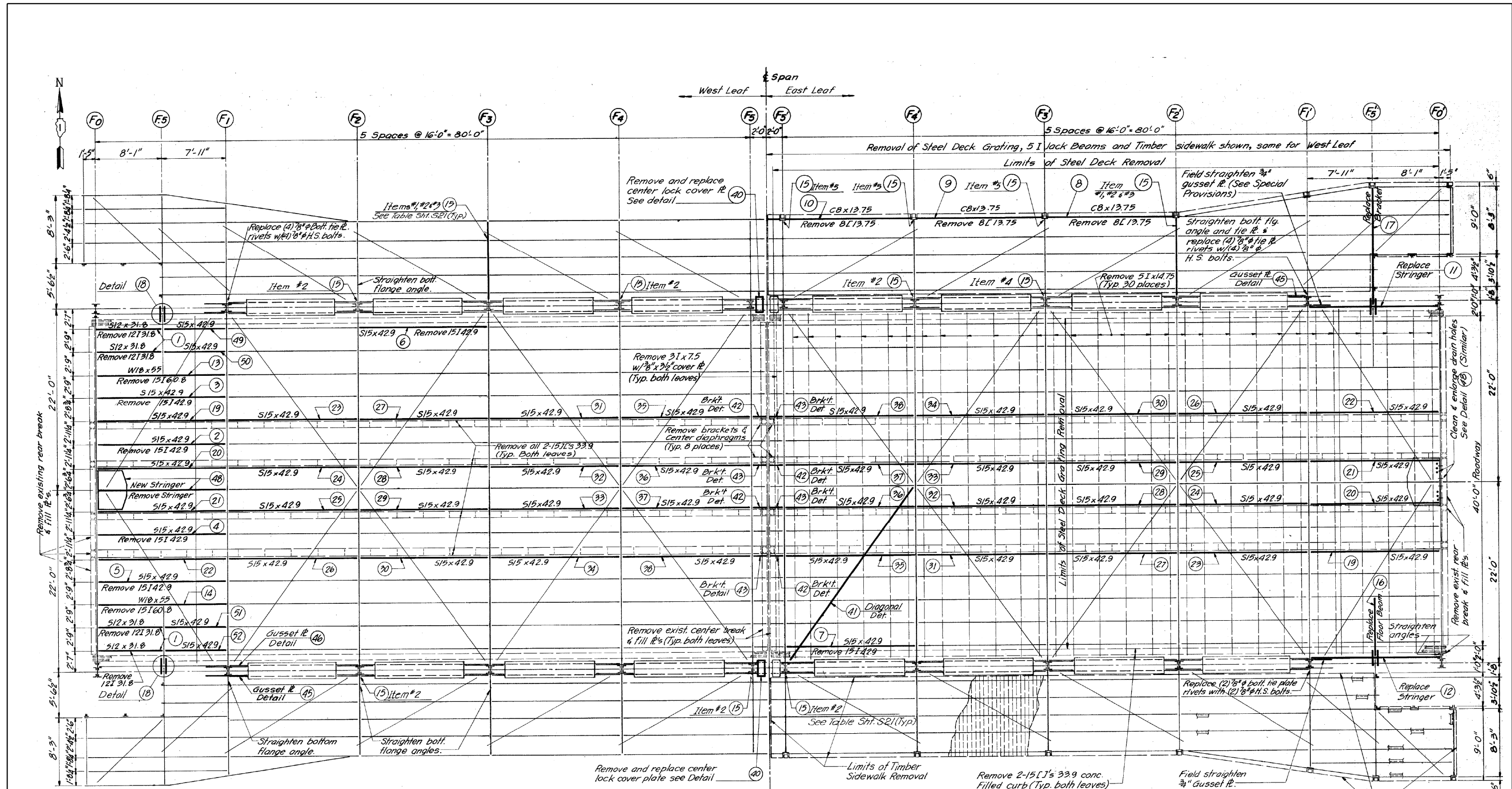
NOTE:
Field grind top and bottom of new angles for tight fit with exist. 8x8 flange angles (typ.)



PLAN VIEW a-a

FOR INFORMATION ONLY

COLLINS ENGINEERS	USER NAME = dredzic	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	APPROACH GIRDER REPAIRS STRUCTURE NUMBER: 099-0166	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -			607	1288P	WILL	41	11			
	PLOT DATE = 10/14/2014	CHECKED -	REVISED -			CONTRACT NO. 60Y85							
						SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT



FRAMING PLAN - REMOVALS AND REPAIRS
SHOWING REPLACEMENT OR REPAIR OF MAIN FRAMING MEMBERS

FOR INFORMATION ONLY

COLLINS ENGINEERS

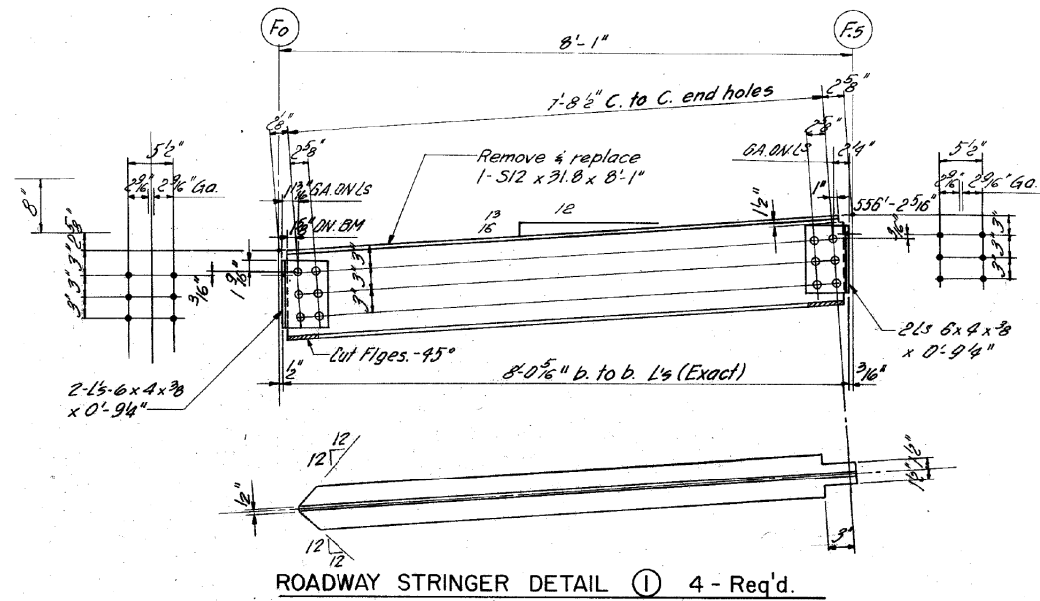
USER NAME = dzedzic	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/14/2014	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

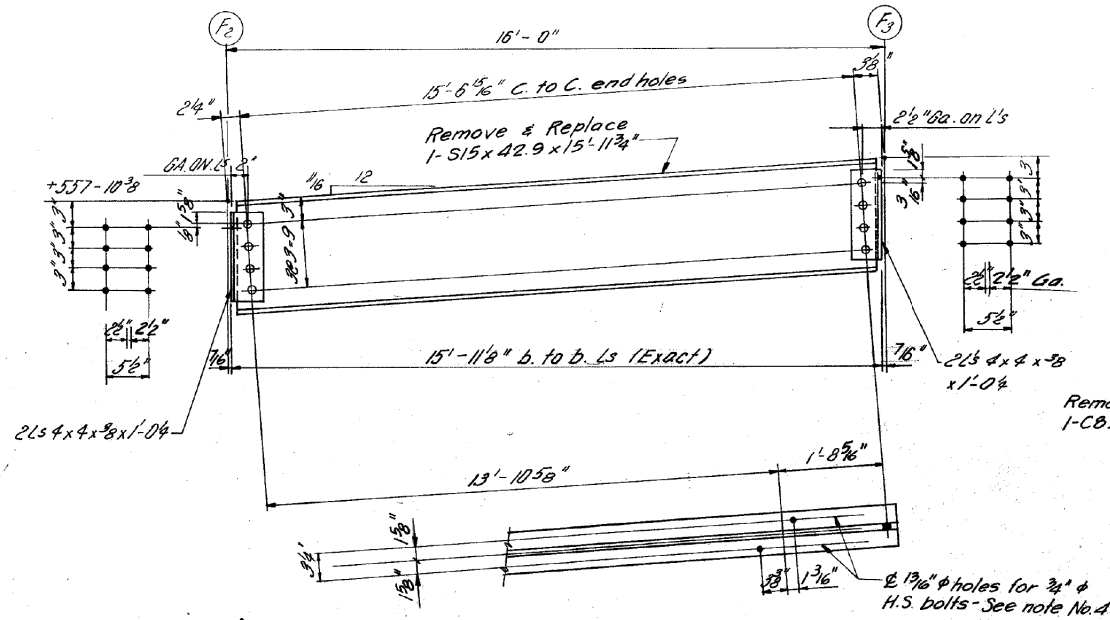
BASCULE SPAN FRAMING PLAN REMOVALS AND REPAIRS
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

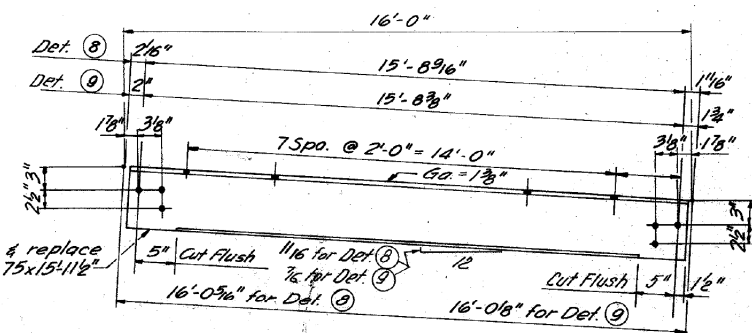
F.A.P. RTE. 607	SECTION 1288P	COUNTY WILL	TOTAL SHEETS 41	SHEET NO. 12
CONTRACT NO. 60Y85				ILLINOIS FED. AID PROJECT



ROADWAY STRINGER DETAIL ① 4 - Req'd.



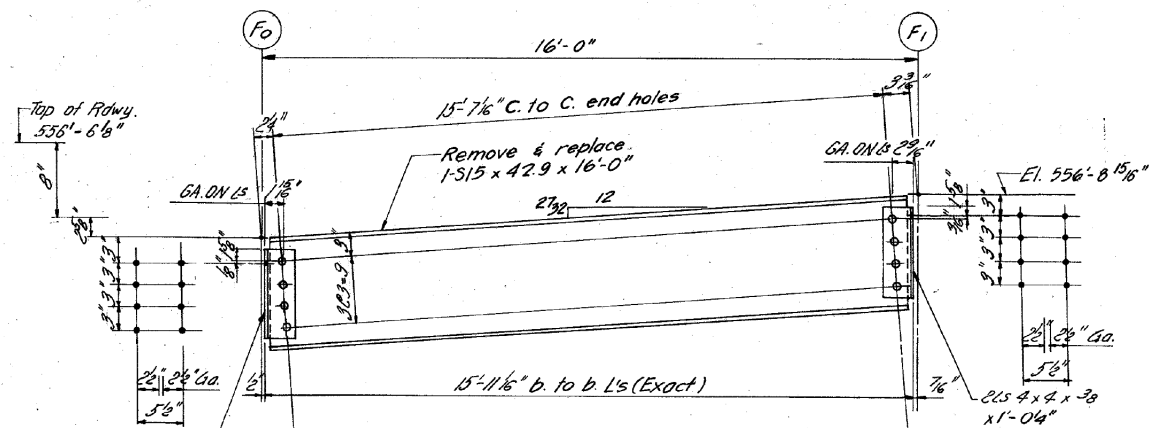
ROADWAY STRINGER DETAIL ⑥ 1 - Req'd.



FACIA STRINGER DETAIL ⑧ 1 - Req'd.

FACIA STRINGER DETAIL ⑨ 1 - Req'd.

Note: All holes 1 3/16" for 3/4" H.S. bolts.

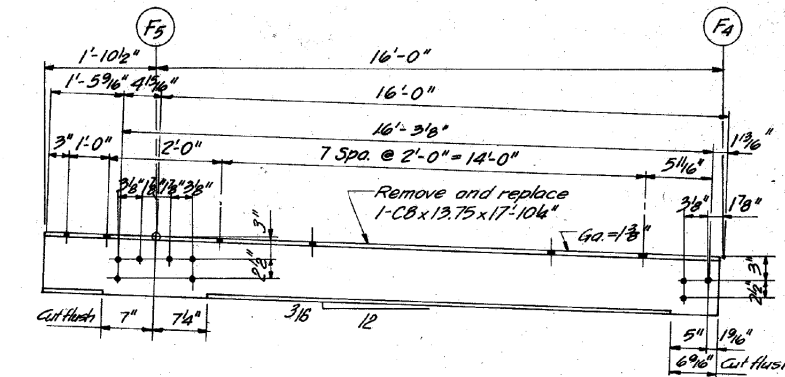


ROADWAY STRINGER DETAIL ② 1 - Req'd.

ROADWAY STRINGER DETAIL ③ 1 - Req'd.

ROADWAY STRINGER DETAIL ④ 1 - Req'd.

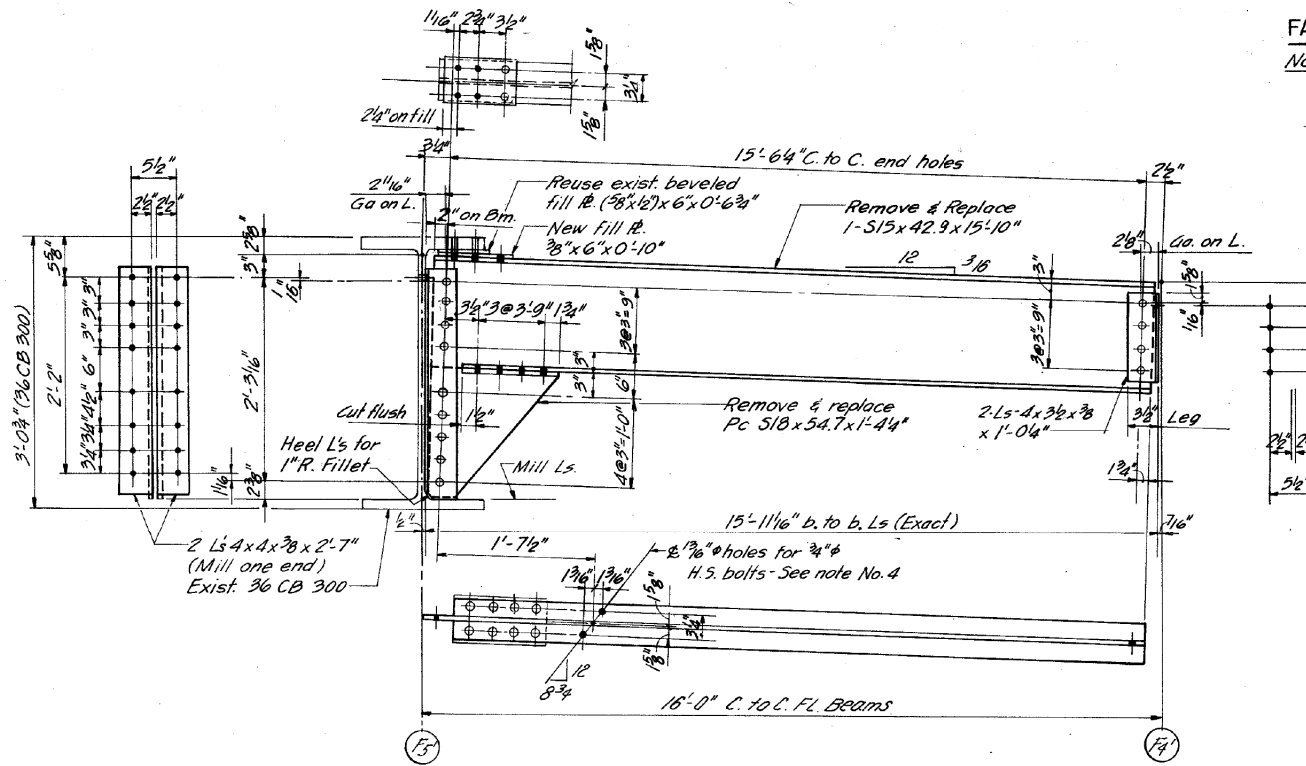
ROADWAY STRINGER DETAIL ⑤ 1 - Req'd.



FACIA STRINGER DETAIL ⑩ 1 - Req'd.

Note: All holes 1 3/16" for 3/4" H.S. bolts.

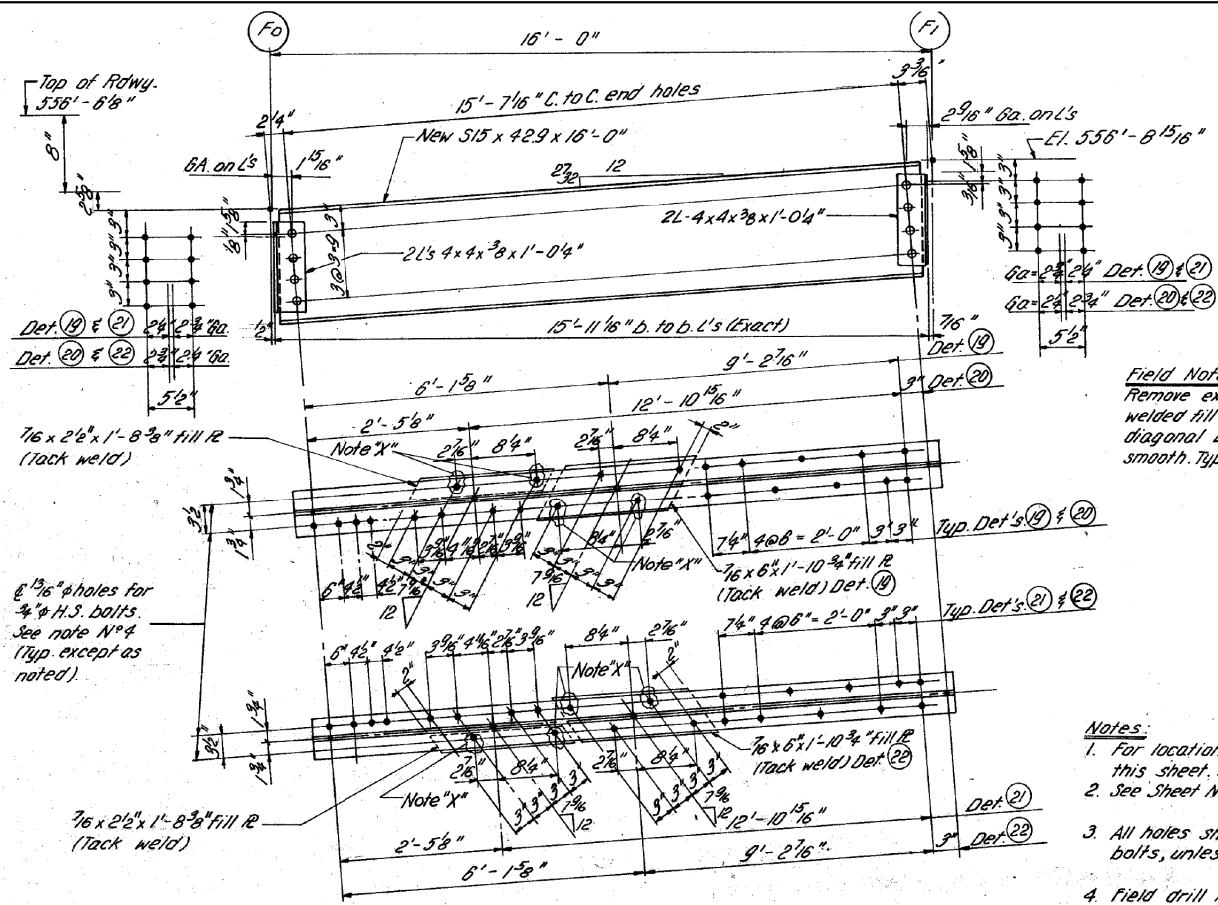
- Notes:
1. For location of new members detailed on this sheet, See sheet No. 519
 2. See Sheet No. 519 for framing notes.
 3. All holes shall be 1 3/16" for 3/4" H.S. bolts, unless noted.
 4. Field drill holes in bottom flange of new stringers to match holes in existing diagonal bracing members.



ROADWAY STRINGER DETAIL ⑦ 1 - Req'd.

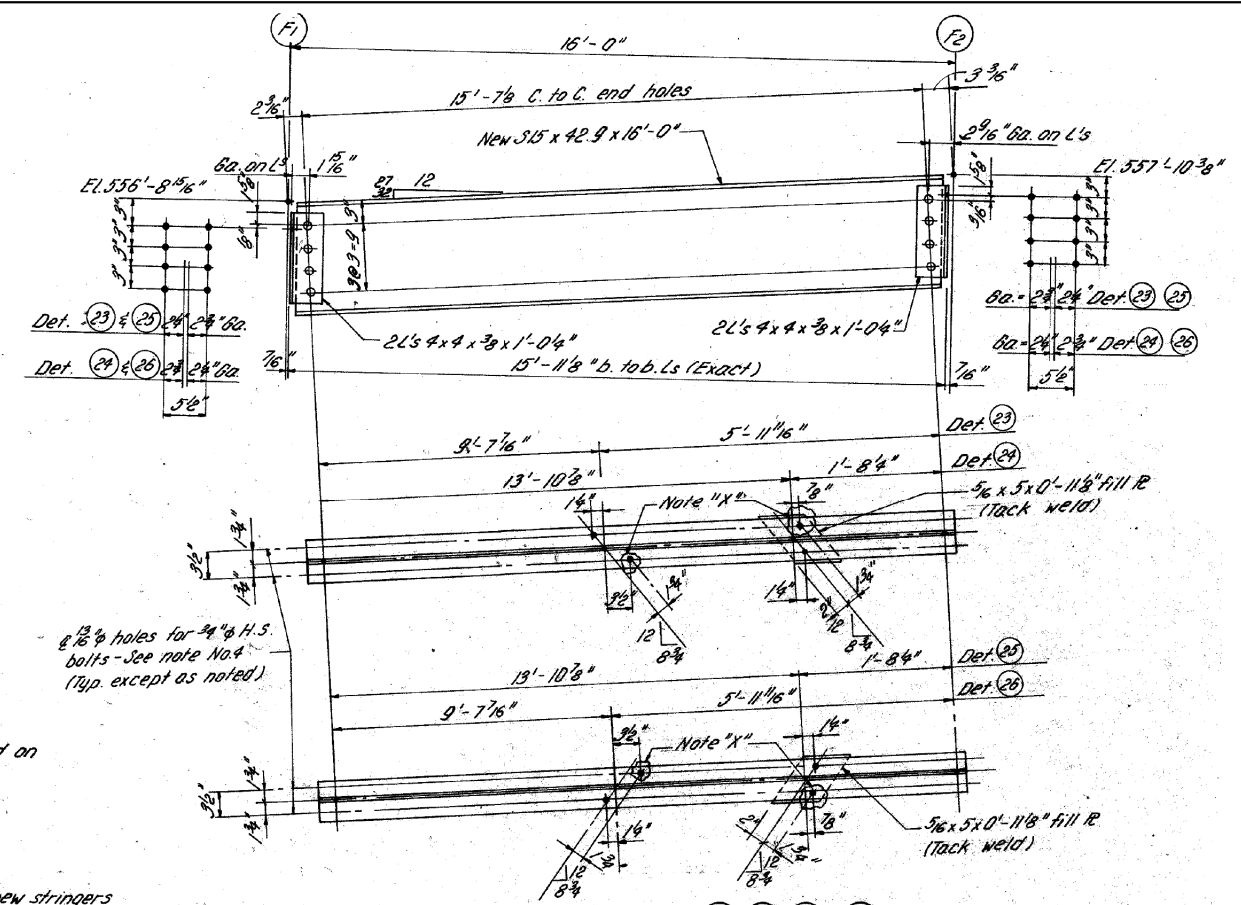
LEGEND		
SECTION	ELEVATION	DESCRIPTION
⊕	+	⊕ Exist rivet or bolt
—		— Exist. Steel
⊕		⊕ New bolt
⊕		⊕ Exist Steel & bolt hole
—		— New Steel
⊕		⊕ New shop bolts
⊕		⊕ New field bolts

FOR INFORMATION ONLY



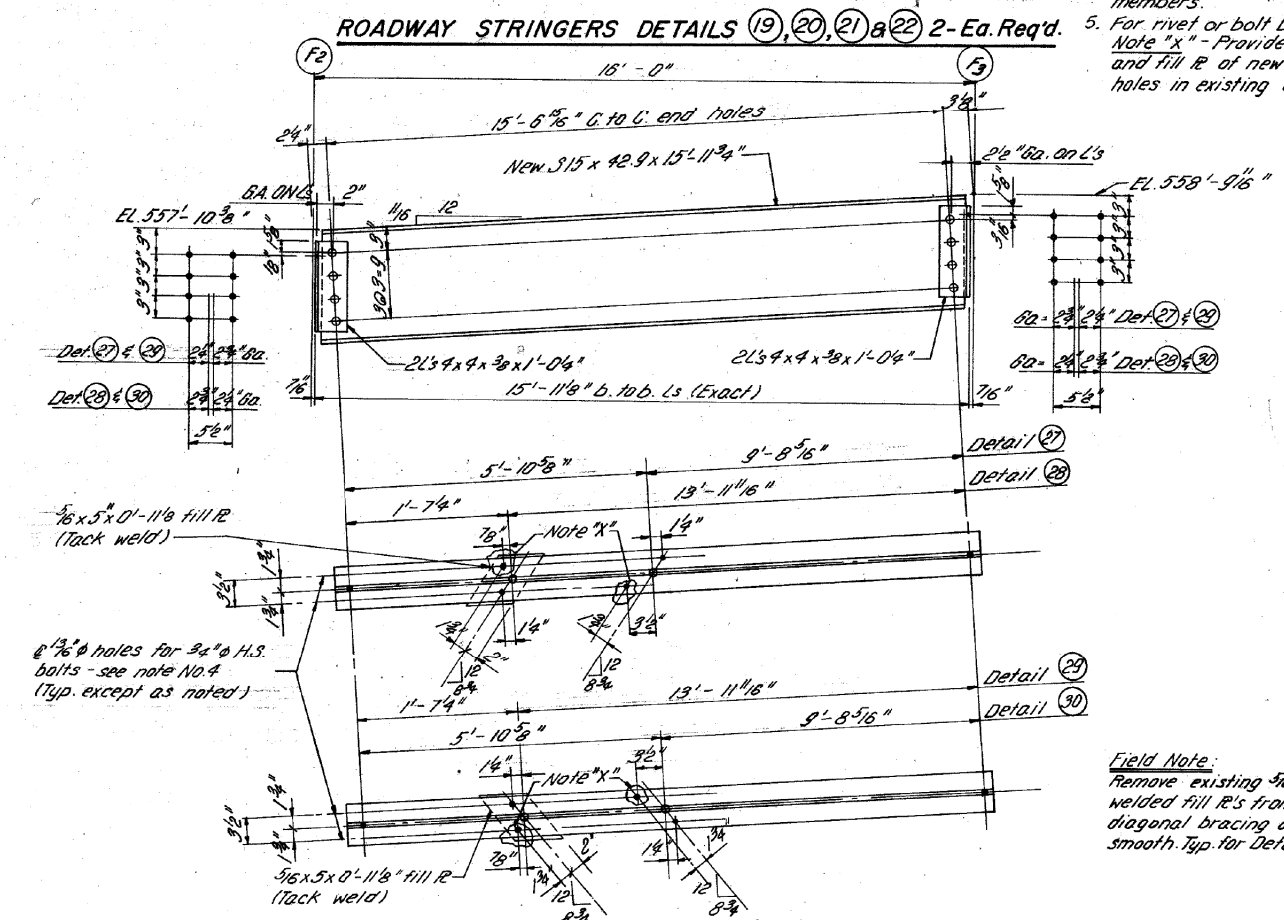
Field Note:
Remove existing 76 x 9/2" tack welded fill IR's from existing diagonal bracing and grind smooth. Typ. for Details (19) & (20)

- Notes:**
1. For location of new members detailed on this sheet. See sheet No. 5-18
 2. See Sheet No. 519 for framing notes.
 3. All holes shall be 1 5/16" φ for 3/4" φ H.S. bolts, unless noted.
 4. Field drill holes in bottom flange of new stringers to match holes in existing diagonal bracing members.
 5. For rivet or bolt Legend See Sheet S22.
Note "X" - Provide 3/16" φ holes in bottom flange and fill IR of new stringers. Field drill matching holes in existing diagonal bracing members.

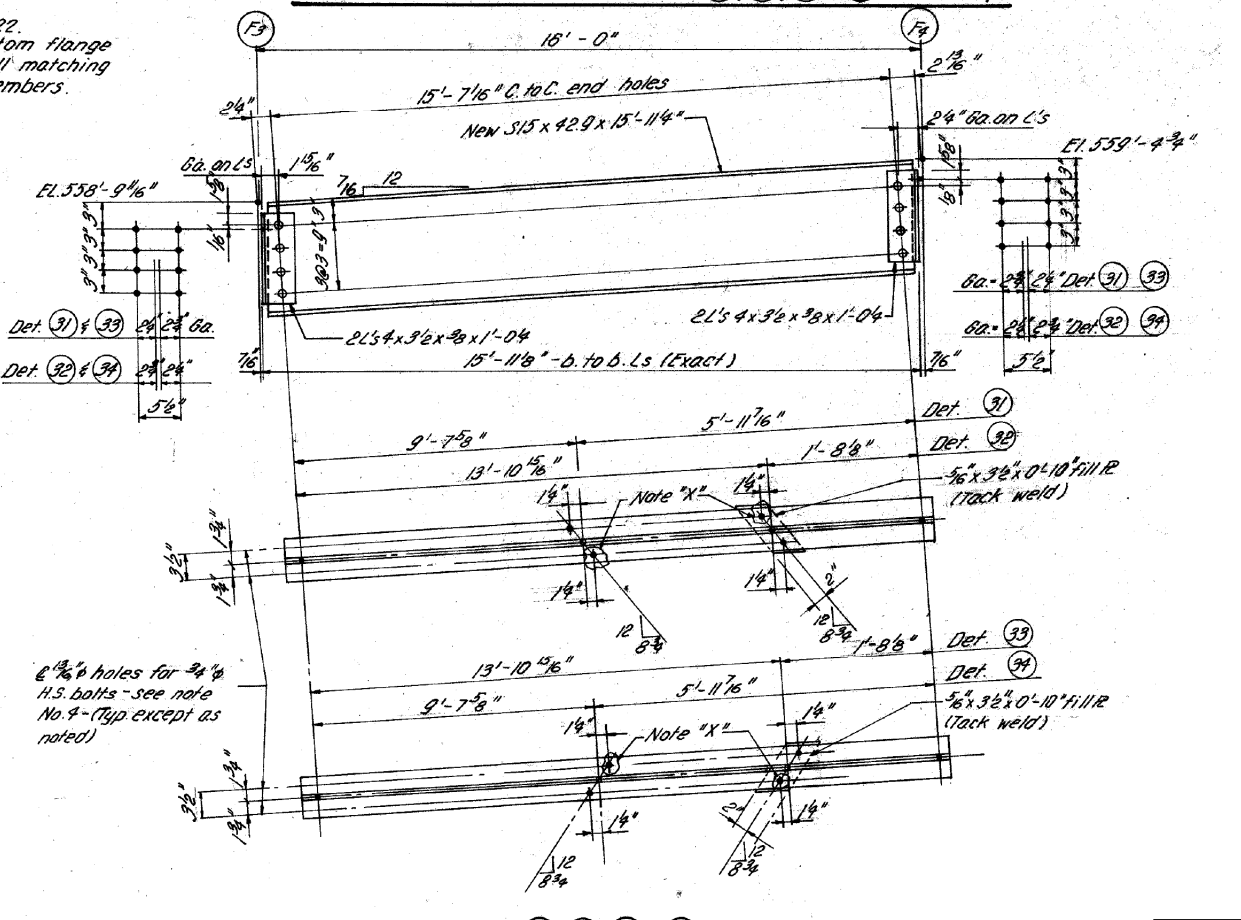


3/16" φ holes for 3/4" φ H.S. bolts - See note No. 4 (Typ. except as noted)

ROADWAY STRINGERS DETAILS (23), (24), (25) & (26) 2-Ea. Req'd.



Field Note:
Remove existing 5/16 x 5" tack welded fill IR's from existing diagonal bracing and grind smooth. Typ. for Details (28) & (29)



3/16" φ holes for 3/4" φ H.S. bolts - see note No. 4 - (Typ. except as noted)

ROADWAY STRINGERS DETAILS (31), (32), (33) & (34) 2-Ea. Req'd.

FOR INFORMATION ONLY

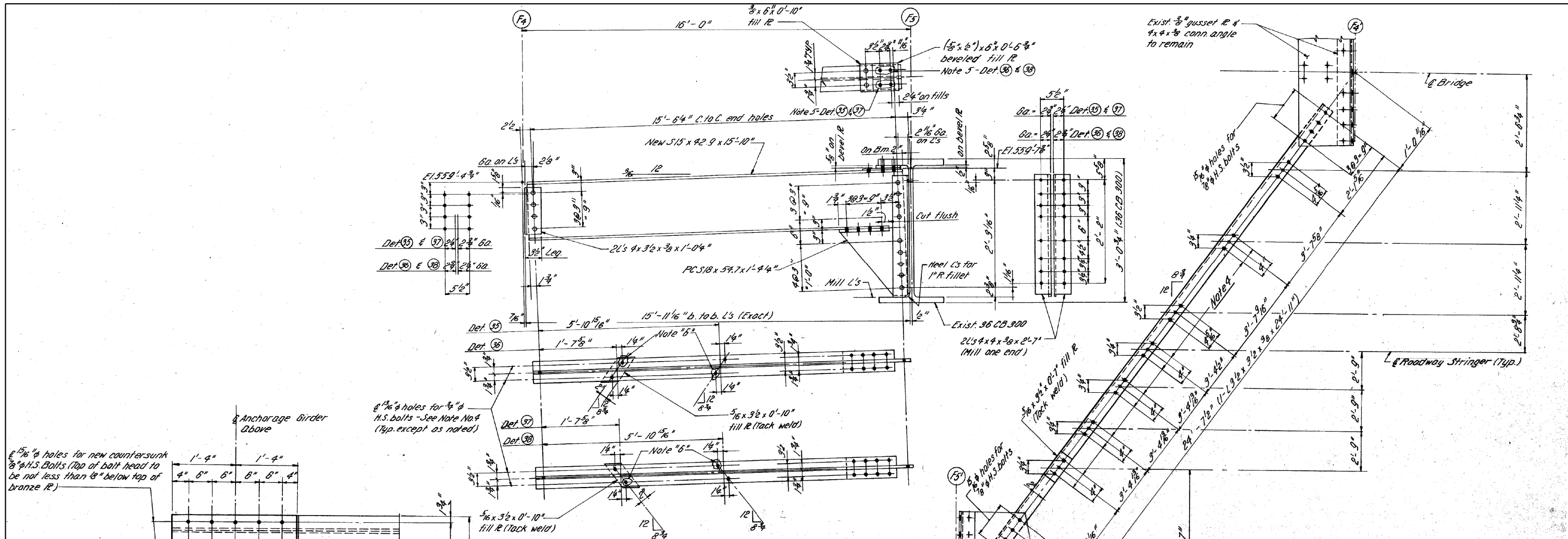
COLLINS ENGINEERS

USER NAME = dreedzic	DESIGNED -	REVISED -
PLOT SCALE = 2.0000" / in.	DRAWN -	REVISED -
PLOT DATE = 10/14/2014	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

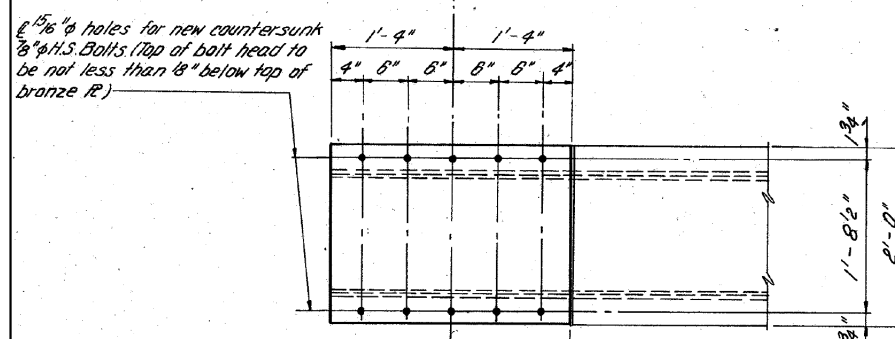
BASCULE SPAN STEEL DETAILS IV			
STRUCTURE NUMBER: 099-0166			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	16
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				



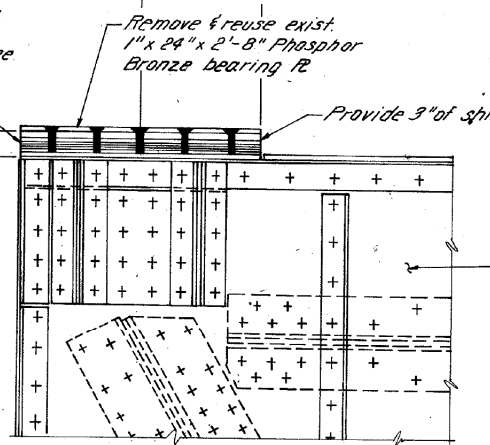
ROADWAY STRINGER DETAILS (35, 36, 37) & (38) 2 - Ea. Req'd.

DIAGONAL BRACE DETAIL (41) 1 - Req'd.



PLAN

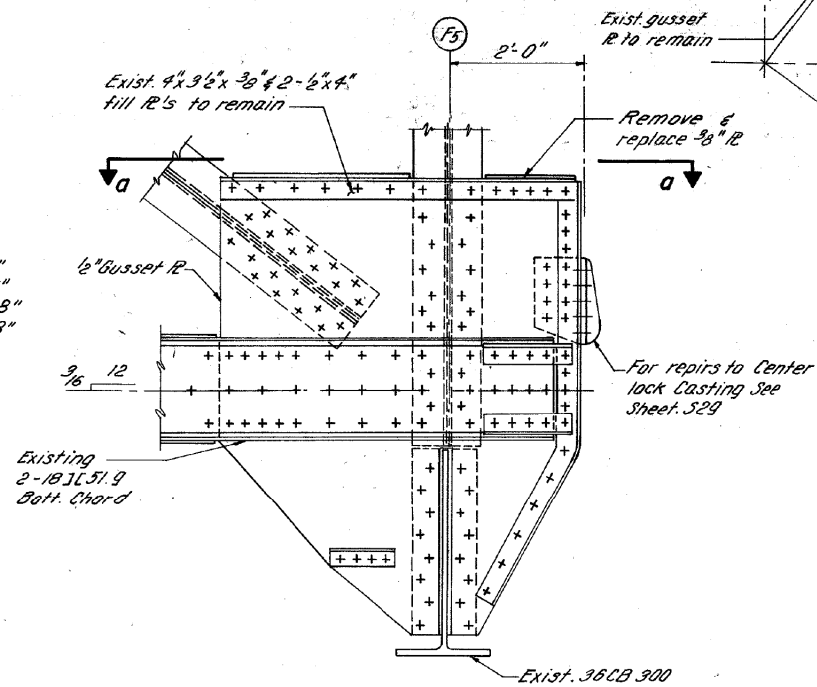
Remove existing shim R's and insert new shim R's as determined by the Engineer in order that firm contact is made with the anchorage girder.



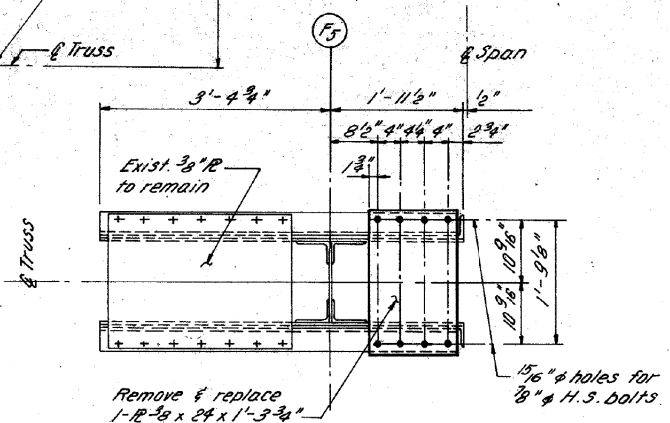
ELEVATION

DETAIL (39) 4 - Req'd.

- 1R 1" x 24" x 2'-8"
- 1R 3/4" x 24" x 2'-8"
- 1R 3/8" x 24" x 2'-8"
- 3R 3/4" x 24" x 2'-8"
- 1R 1/2" x 24" x 2'-8"



DETAIL (40) 2 - Req'd.



PLAN VIEW a-a

Note: Verify bolt hole locations in exist. bronze bearing R prior to fabricating shim plates.

FOR INFORMATION ONLY

COLLINS ENGINEERS

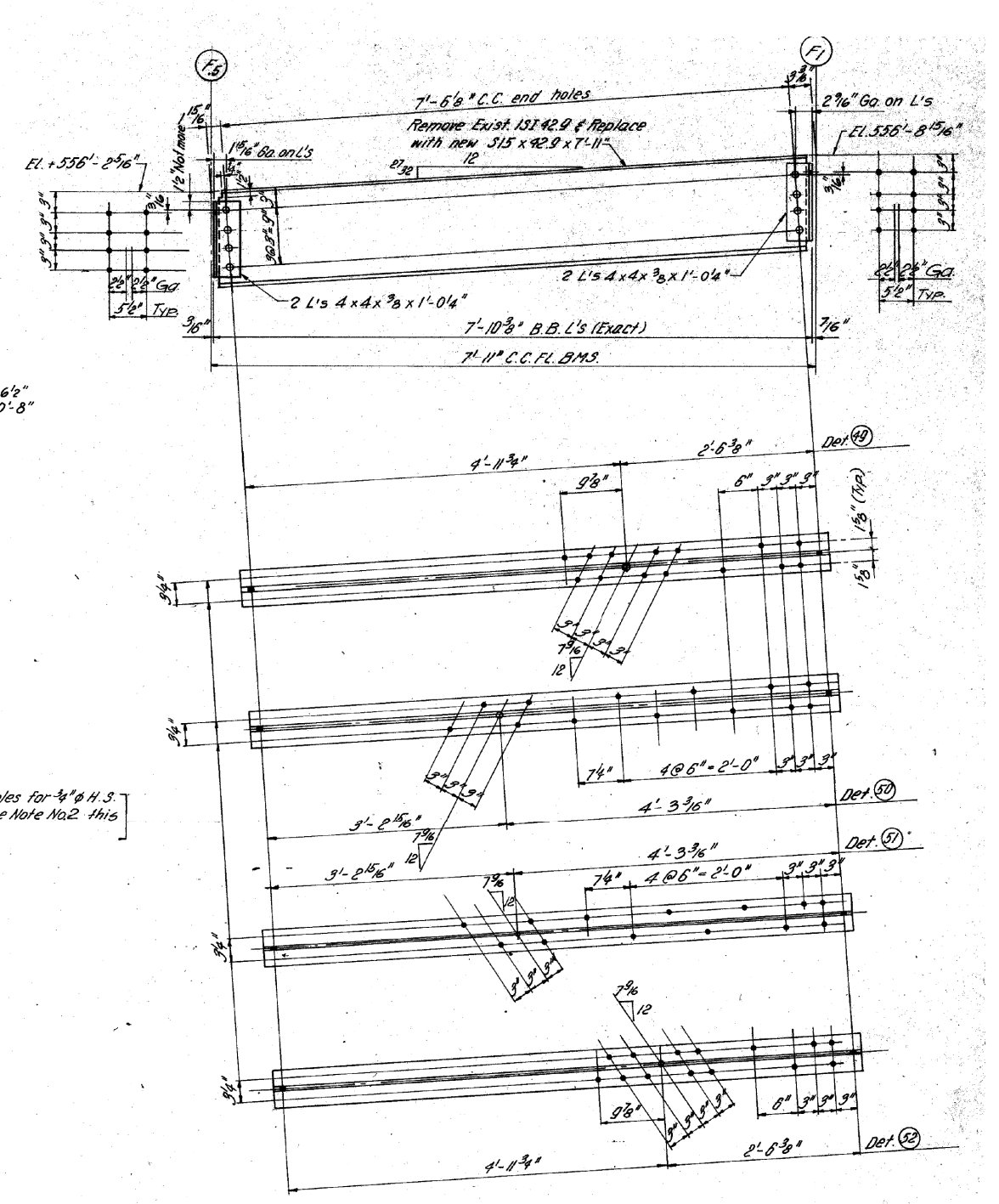
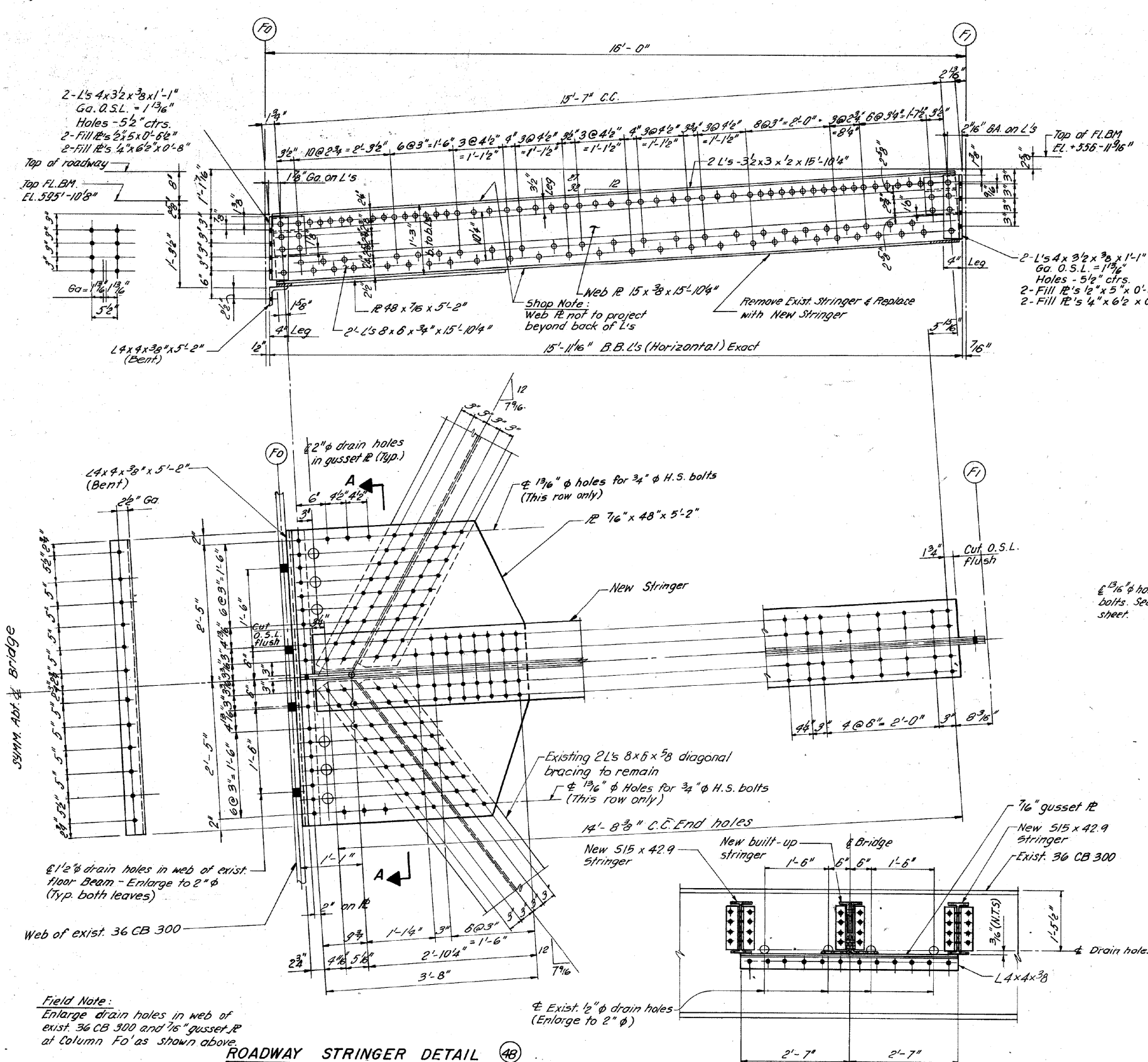
USER NAME = dredzic	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/14/2014	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BASCULE PLAN STEEL DETAILS V
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

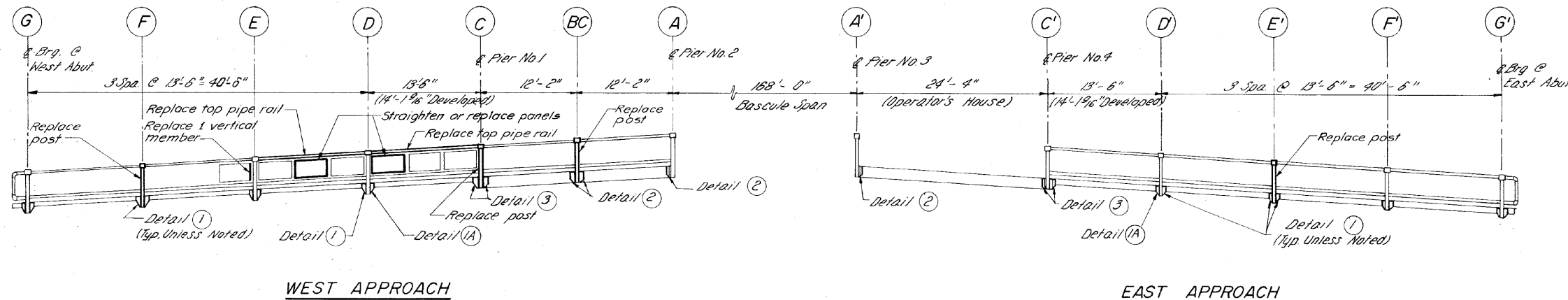
F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	17
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				



ROADWAY STRINGERS DETAILS (49, 50, 51) & (52) 2 - Ea. Req'd.

SECTION A - A

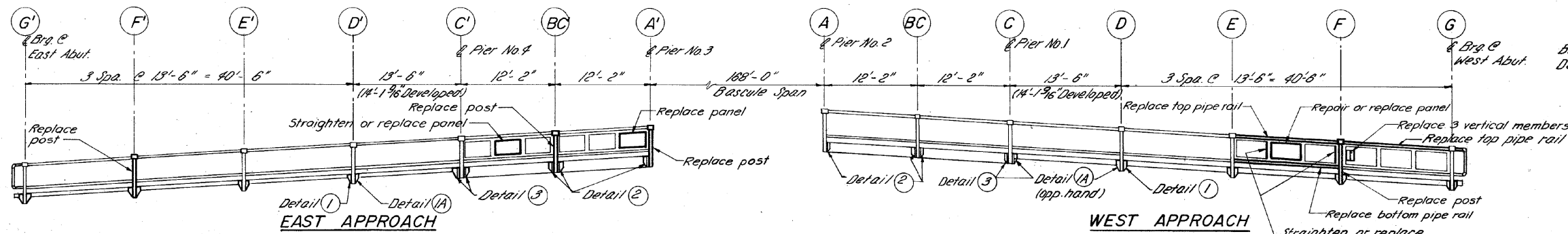
FOR INFORMATION ONLY



WEST APPROACH

EAST APPROACH

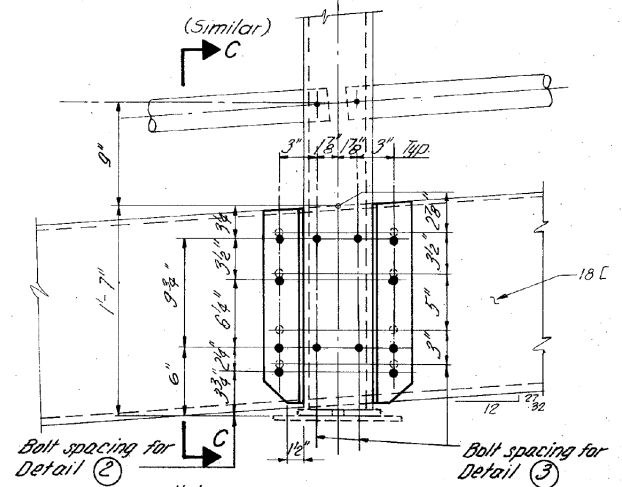
SOUTH RAILING ELEVATION
(LOOKING NORTH)



EAST APPROACH

WEST APPROACH

NORTH RAILING ELEVATION
(LOOKING SOUTH)

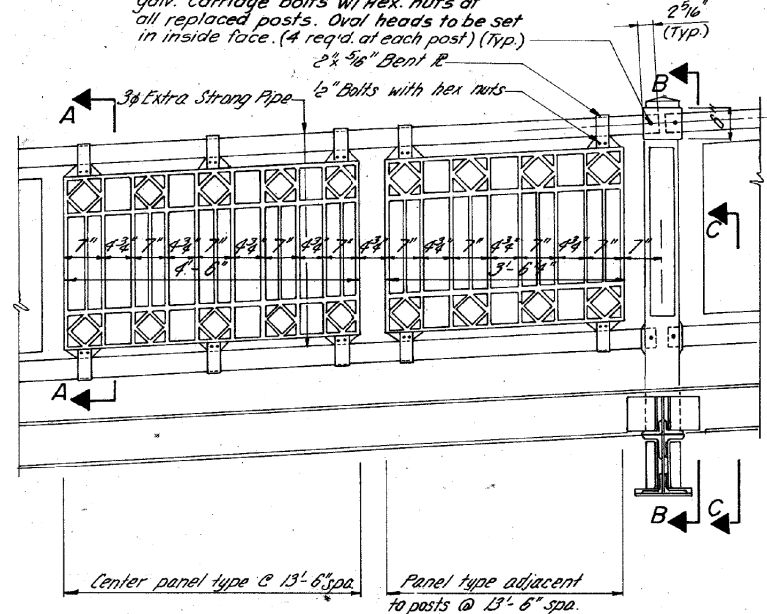


DETAIL 2 (AS SHOWN)

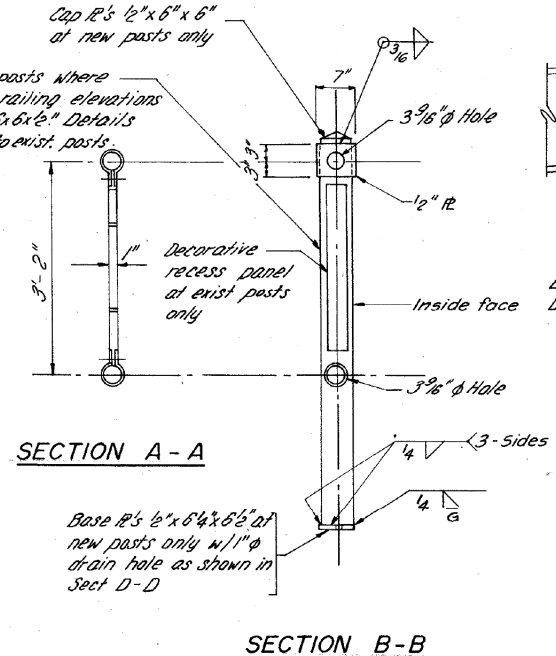
DETAIL 3 (AS NOTED)

SCALE = 1/2" = 1'-0"

Remove existing bolts. Replace with 1/2" φ galv. sq. hd. bolts w/ hex nuts at all original (1932) Posts. Set flush with inside face of cap and in square, cored recesses, or replace with 1/2" φ galv. carriage bolts w/ hex nuts at all replaced posts. Oval heads to be set in inside face. (4 req'd. at each post) (Typ.)
2 5/16" Bent R.

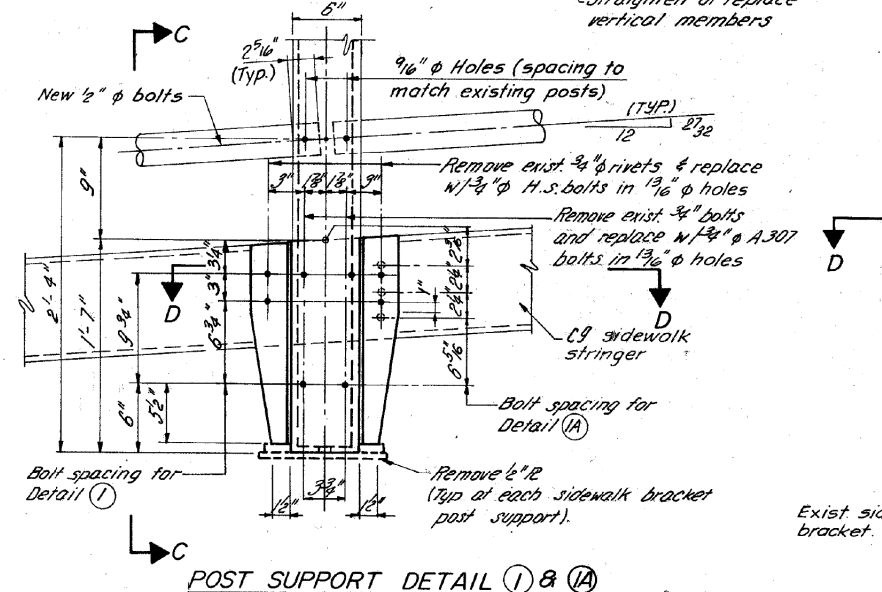


DETAIL HANDRAIL AND POST ELEVATION



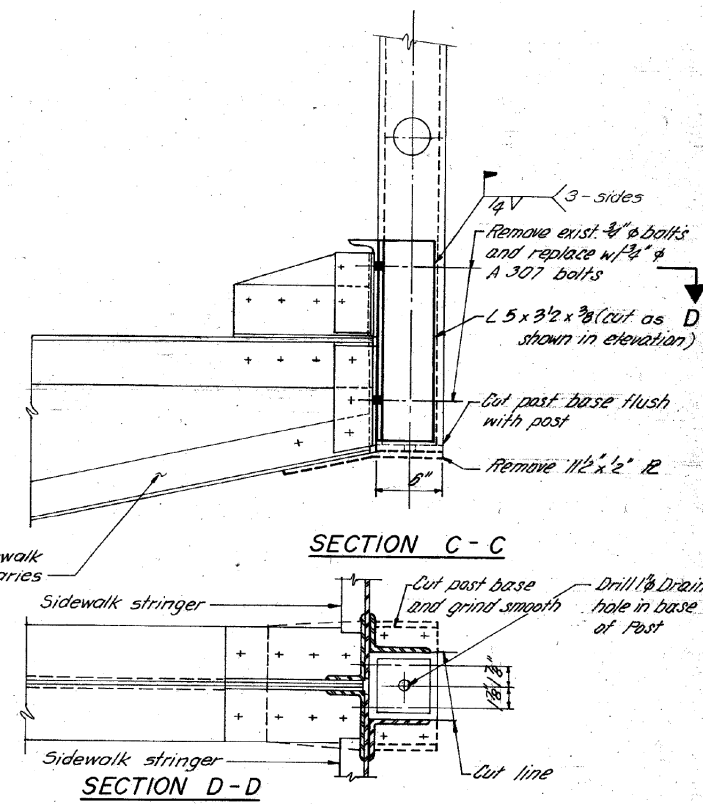
SECTION A-A

SECTION B-B



POST SUPPORT DETAIL 1 & 1A

ORNAMENTAL RAILING GENERAL NOTES



SECTION C-C

SECTION D-D

FOR INFORMATION ONLY

COLLINS ENGINEERS

USER NAME = dredzic
DESIGNED -
DRAWN -
PLOT SCALE = 2.0000' / in.
CHECKED -
DATE = 10/14/2014

DESIGNED -
DRAWN -
CHECKED -
DATE -

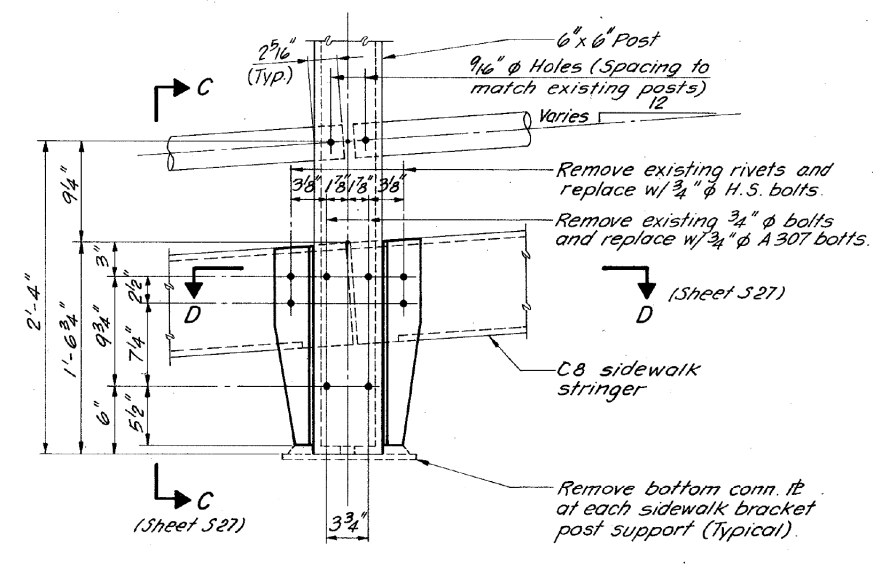
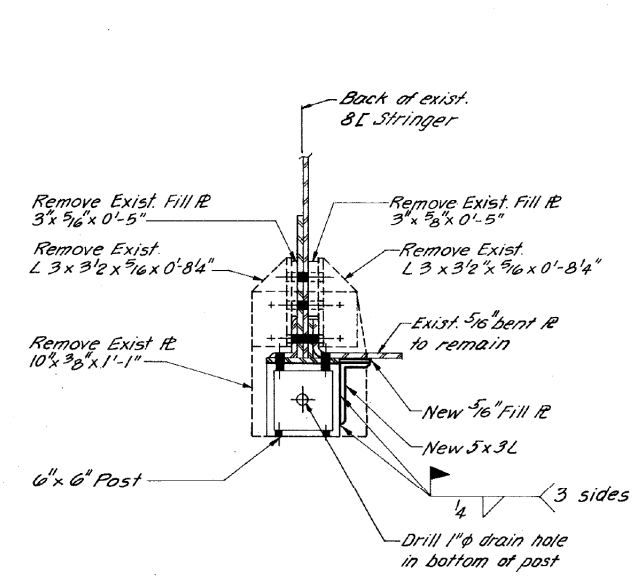
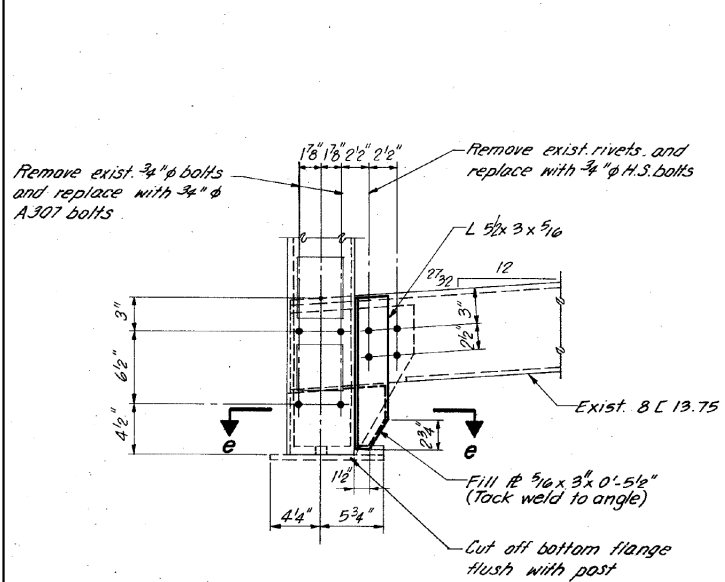
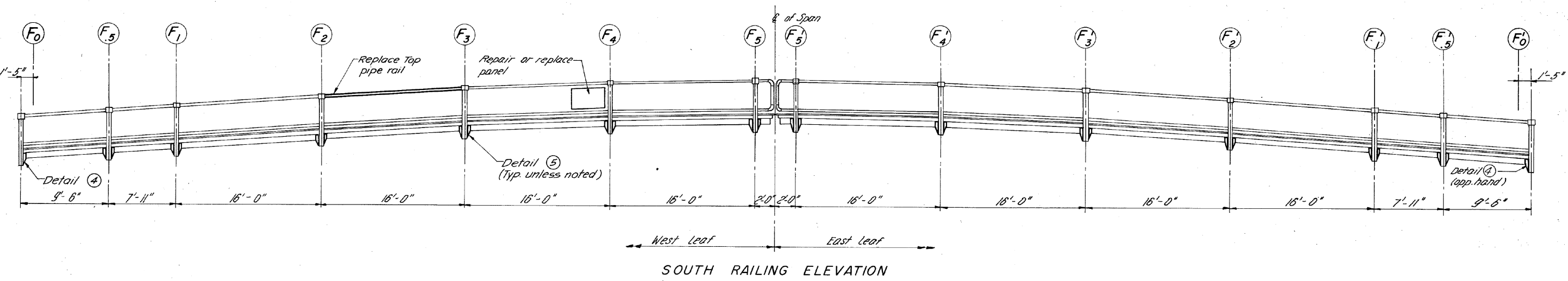
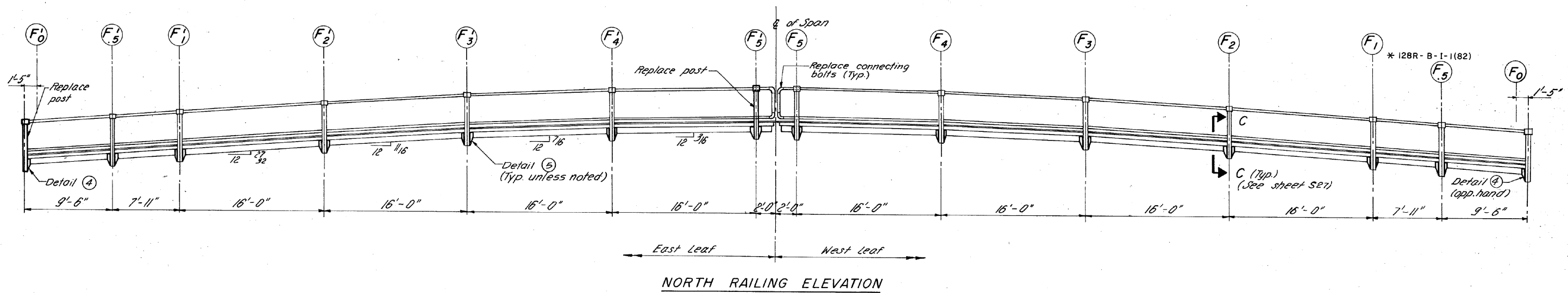
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SPAN HANDRAIL ELEVATIONS AND DETAILS
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	1288P	WILL	41	20
				CONTRACT NO. 60Y85
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

COLLINS ENGINEERS

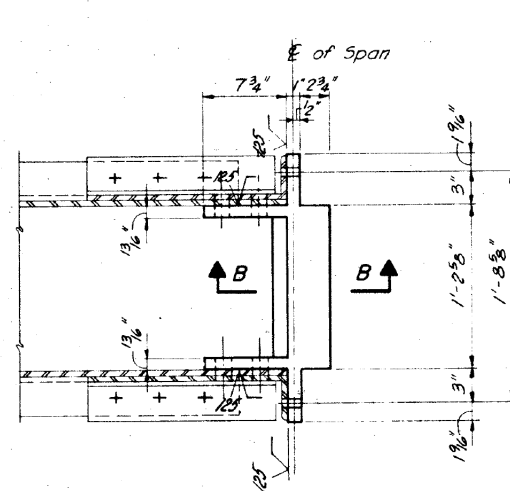
USER NAME = dzedzic	DESIGNED -	REVISED -
PLOT SCALE = 2.0000 "/td> <td>DRAWN -</td> <td>REVISED -</td>	DRAWN -	REVISED -
PLOT DATE = 10/14/2014	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

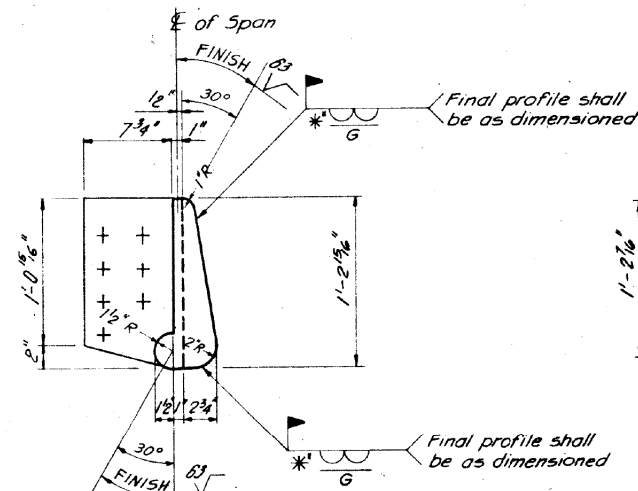
BASCULE SPAN HANDRAIL ELEVATIONS AND DETAILS
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

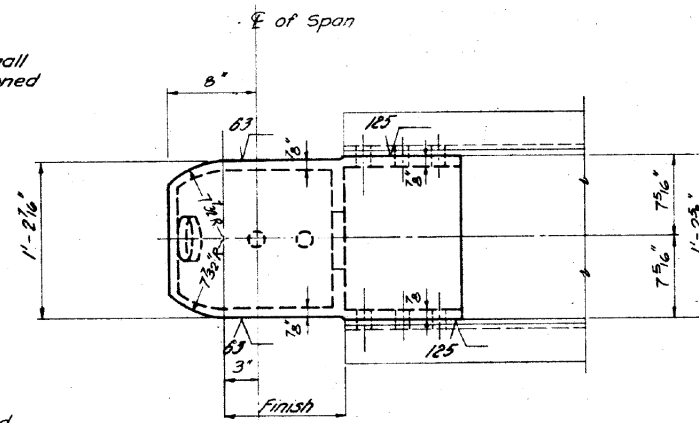
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	21
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				



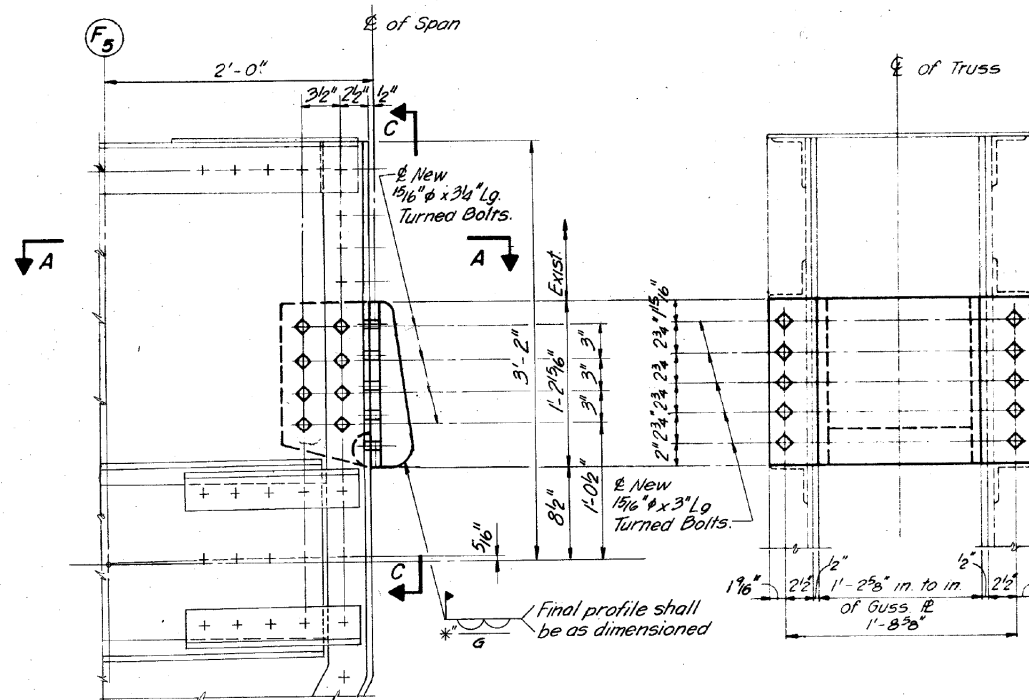
SECTIONAL PLAN A-A



SECTION B-B

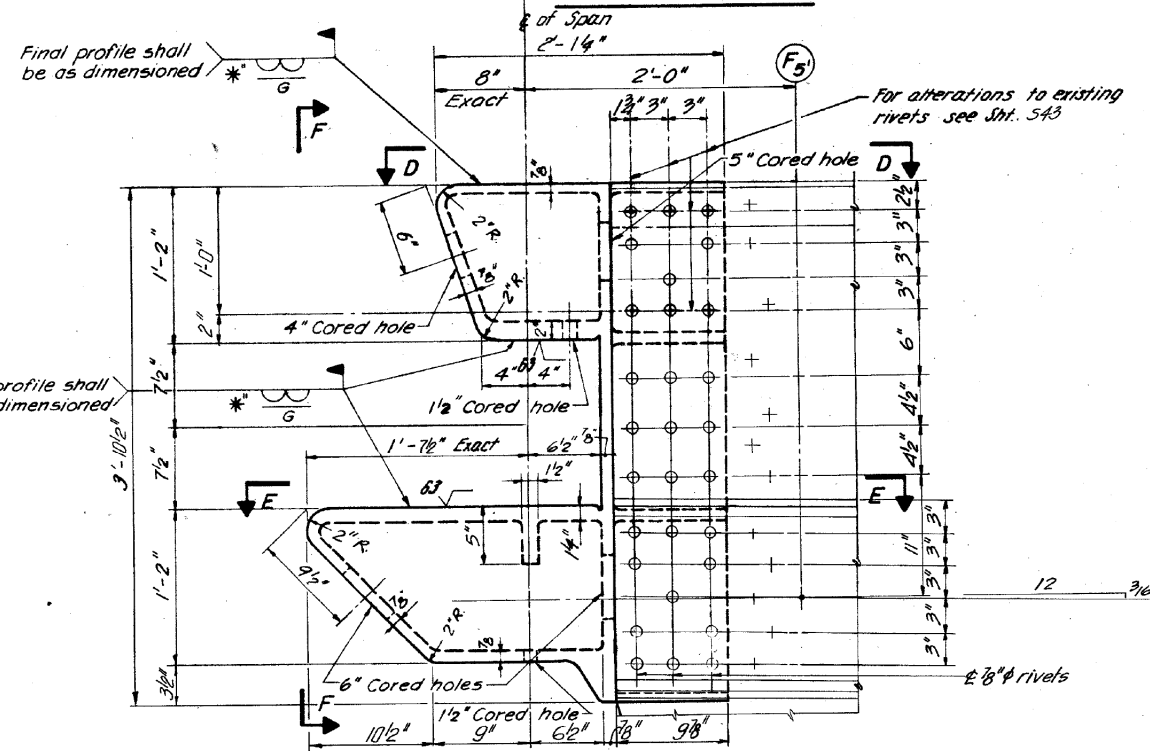


PLAN VIEW D-D

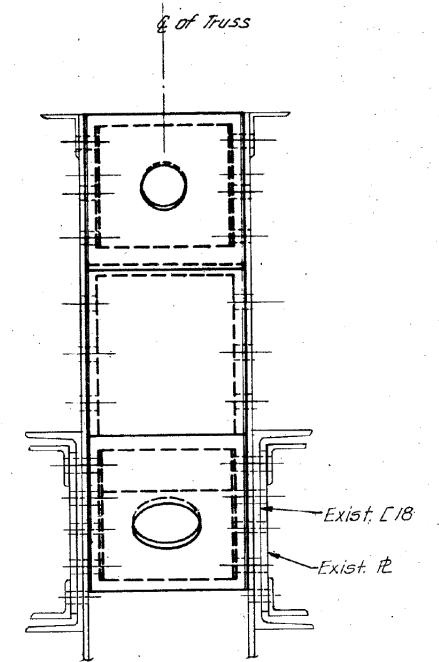


ELEVATION OF CENTER LOCK
(West Leaf)

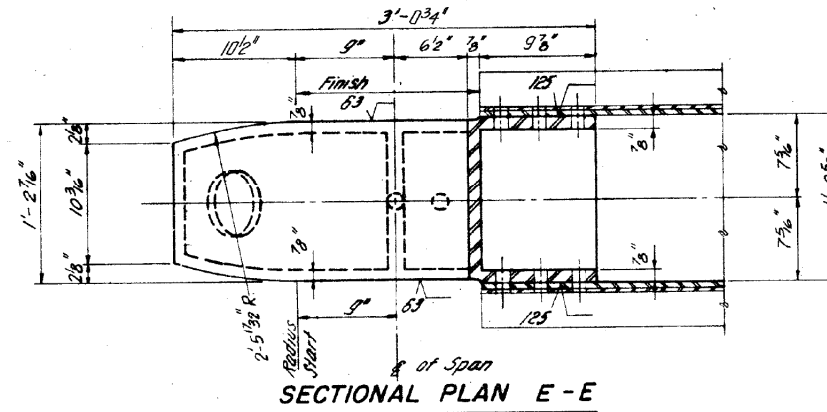
ELEVATION C-C



ELEVATION OF CENTER LOCK
(East Leaf)



ELEVATION F-F

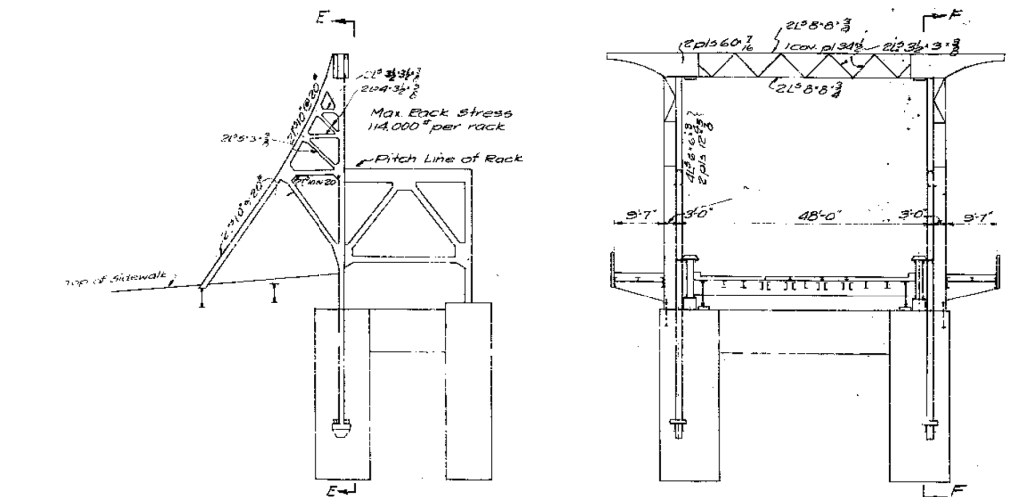


SECTIONAL PLAN E-E

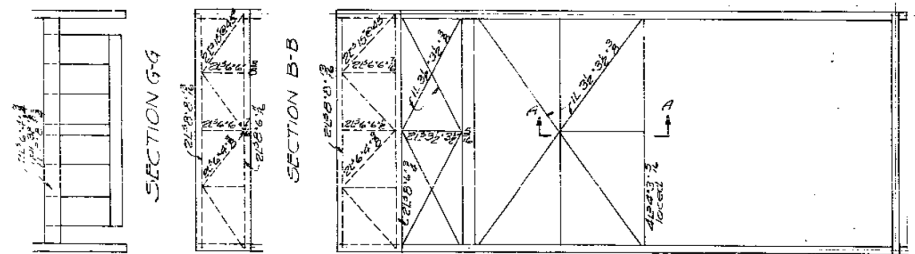
LEGEND

SECTION	ELEVATION	DESCRIPTION
	+	Indicates rivets or bolts to remain.
	•	Indicates new bolts in existing or new steel.

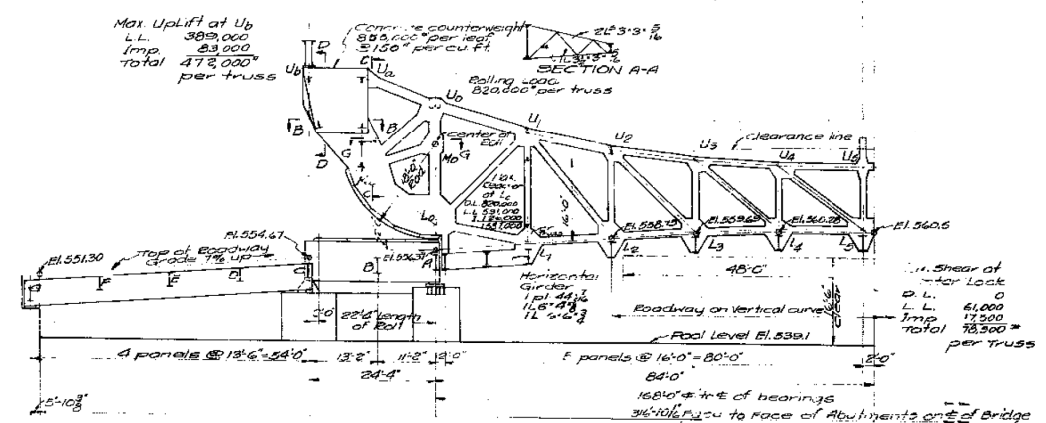
FOR INFORMATION ONLY



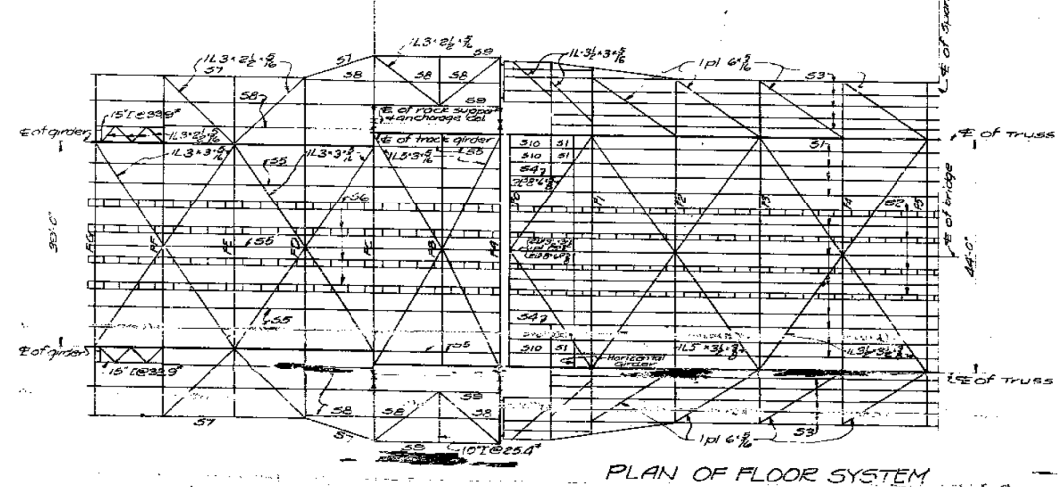
RACK SUPPORT & ANCHORAGE COLUMN
SECTION F-F SECTION E-E



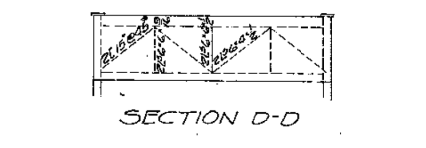
PLAN OF TOP LATERALS



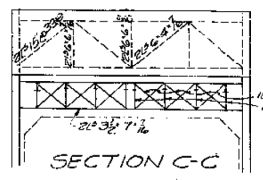
LONGITUDINAL SECTION



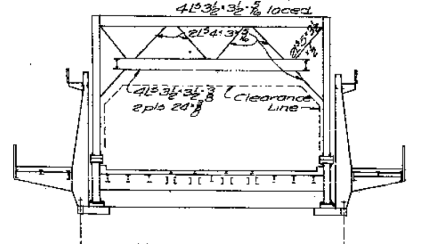
PLAN OF FLOOR SYSTEM



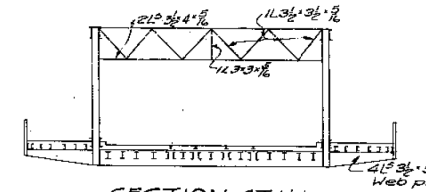
SECTION D-D



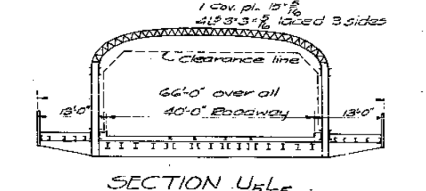
SECTION C-C



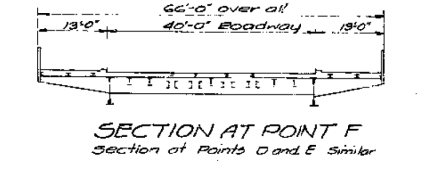
SECTION AT UoL0



SECTION AT U1L1



SECTION U5L5



SECTION AT POINT F
Section of Points D and E Similar

STRESSES & SECTIONS IN BASCULE TRUSSES - FRONT ARM

Member	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Section
DL	LL	Imp	Total	DL	LL	Imp	Total	DL	LL	Imp	Total	DL	LL	Imp	Total	DL	LL	Imp	Total
UoL1	474	1285	199	2958	199	155	112	17	567	1454	82	1108	1108	16	634	81.8	63.8	41.4-41.3	4" x 20"
U1L1	1225	1161	161	149	143	17	46	377	262	43	1330	16	1330	16	33.2	47.7	34.7	41.4-41.2	2" x 12" flat top from 2010
U2L1	1132	1107	144	133	125	15	15	1220	1183	117	1348	16	1348	16	21.7	29.3	23.6	21.5 @ 90°	2" x 12" flat top from 2010
U3L1	149	153	16	9	14	1	13	128	113	117	1169	17	1169	17	11.6	19.8	15.7	21.5 @ 33.9°	2" x 12" flat top from 2010
U4L1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21.5 @ 33.9°
U5L1	320	204	73	65	46	8	6	102	321	60	701	16	701	16	54.6	54.6	54.6	21.5 @ 33.9°	2" x 12" flat top from 2010
L1L1	304	201	71	69	15	8	6	395	316	59	679	16	679	16	51.2	51.2	51.2	21.5 @ 33.9°	2" x 12" flat top from 2010
L2L1	223	160	61	49	43	7	6	326	261	48	531	16	531	16	39.9	39.9	39.9	21.5 @ 33.9°	2" x 12" flat top from 2010
L3L1	191	106	43	39	35	5	6	228	182	33	346	16	346	16	25.6	25.6	25.6	21.5 @ 33.9°	2" x 12" flat top from 2010
L4L1	99	59	25	17	21	3	3	128	103	17	160	16	160	16	13.3	13.3	13.3	21.5 @ 33.9°	2" x 12" flat top from 2010
L5L1	209	132	44	41	23	5	12	175	168	19	194	16	194	16	3.4	3.4	3.4	21.5 @ 33.9°	2" x 12" flat top from 2010
U1L2	126	191	132	127	133	13	14	1190	1152	125	1303	16	1303	16	18.9	24.1	19.3	21.5 @ 33.9°	2" x 12" flat top from 2010
U2L2	126	198	137	129	134	14	14	1206	1165	127	1318	16	1318	16	19.9	25.1	20.8	21.5 @ 33.9°	2" x 12" flat top from 2010
U3L2	106	190	136	126	130	14	14	1190	1152	125	1283	16	1283	16	17.7	22.0	17.7	21.5 @ 33.9°	2" x 12" flat top from 2010
U4L2	61	147	120	120	123	13	13	1187	1148	120	1199	16	1199	16	13.6	18.1	14.4	21.5 @ 33.9°	2" x 12" flat top from 2010
U5L2	126	187	132	128	130	13	13	1172	1138	122	1226	16	1226	16	17.9	23.0	18.5	21.5 @ 33.9°	2" x 12" flat top from 2010
L1L2	69	149	118	118	120	12	12	1106	1065	114	1168	16	1168	16	15.2	19.8	15.8	21.5 @ 33.9°	2" x 12" flat top from 2010
L2L2	57	146	115	115	117	12	12	1098	1058	113	1123	16	1123	16	14.8	19.4	15.4	21.5 @ 33.9°	2" x 12" flat top from 2010
L3L2	38	97	76	76	78	8	8	88	86	11	115	16	115	16	10.3	13.8	10.8	21.5 @ 33.9°	2" x 12" flat top from 2010
L4L2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21.5 @ 33.9°

STRESSES & SECTIONS IN BASCULE TRUSSES - REAR ARM

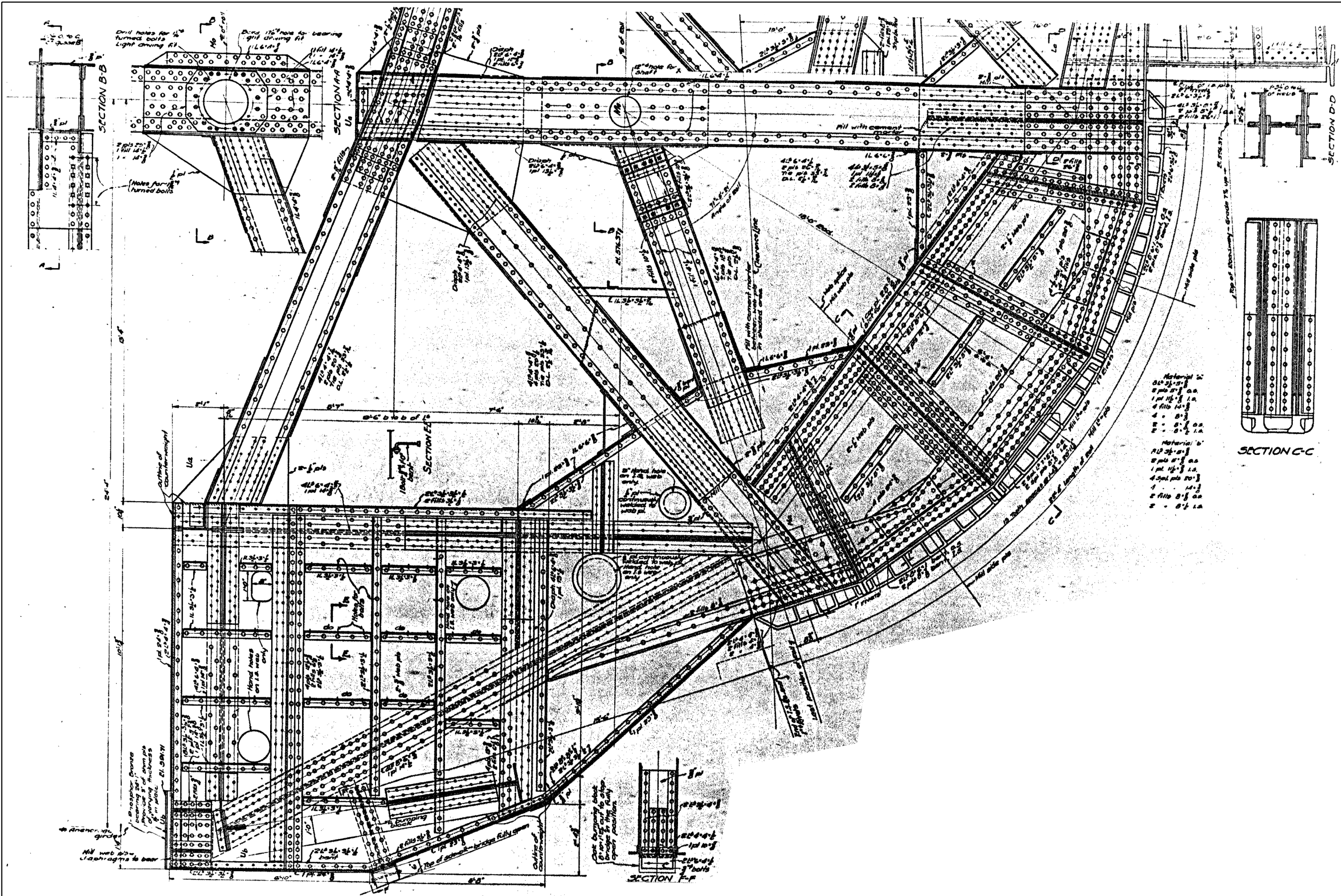
Member	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Section
DL	LL	Imp	Total	DL	LL	Imp	Total	DL	LL	Imp	Total	DL	LL	Imp	Total	DL	LL	Imp	Total
UoL1	155	1159	153	130	16	14	1305	1244	125	1422	1076	1526	16	328	437	39.5	41.4-41.3	2" x 20"	
U1L1	1403	1179	160	140	133	17	14	1345	1244	125	1484	16	1484	16	45.4	58.4	45.4	41.4-41.3	2" x 20"
U2L1	375	143	48	48	27	6	3	275	220	39	434	16	434	16	18.8	24.8	18.8	41.4-41.3	2" x 20"
L1L1	534	345	115	116	64	14	8	662	230	94	1170	16	1170	16	47.2	48.2	47.2	41.4-41.3	2" x 20"

STRESSES IN FLOOR BEAMS, STRINGERS & GIRDERS

Member	Moments in 1000'			Shears in 1000'			Section		
	DL	LL	Imp	DL	LL	Imp			
S1	4.4	52.8	15.8	73.0	1.1	14.5	5.0	284	15" I @ 42.5"
S2	7.2	61.8	40.6	109.6	1.8	18.6	12.2	326	2" L @ 15" @ 33.9"
S3	0.9	7.2	8.1	1.2	1.8	2.0	2.0	8" L @ 13.7"	
S4	-27.0	-76.5	-103.5	-2.6	-16.5	-5.0	-18.9	15" I @ 42.5"	
S5	11.1	42.1	12.6	65.8	3.1	19.6	5.9	28.6	15" I @ 42.5"
S6	16.4	48.2	32.3	36.9	4.9	17.4	12.0	34.8	2" L @ 15" @ 33.9"
S7	4.1	6.9	11.0	1.2	2.1	3.3	3.3	9" L @ 15"	
S8	8.2	13.7	21.7	2.4	4.1	6.5	6.5	9" L @ 21.8"	
S9	32.1	35.5	67.2	4.8	5.8	10.6	10.6	15" L @ 32.7"	
F0	212	720	457	1809	19.3	60.4	37.7	117.4	36" C @ 5300"
F1	274	676	328	1278	27.1	54.8	23.3	107.2	36" C @ 5300"
F2	220	770	484	1679	21.4	64.6	40.4	126.4	36" C @ 5300"
F3	278	646	437	1381	23.3	56.4	36.2	117.9	36" C @ 5300"
F4	468	643	330	1043	27.6	54.3	23.7	126.6	36" C @ 5300"
F5	443	512	267	1222	26.6	51.2	22.4	122.7	36" C @ 5300"
F6	203	132	71	406	24.8	31.0	11.9	60.6	36" C @ 5300"
Segmental Girder	1653	1338	393	3414	33.7	76.5	23.0	103.2	42" x 18" @ 60" x 18"
DL	11	279	84	376	0.6	16.4	4.8	21.8	18" x 8" @ 31.8"

Notes: Stresses are given in 1000' units
Areas are in sq. in.
+ Indicates Tension.
- Indicates Compression.
* Section increased for moment from center lock.

* Supported at E for live load only



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COLLINS ENGINEERS

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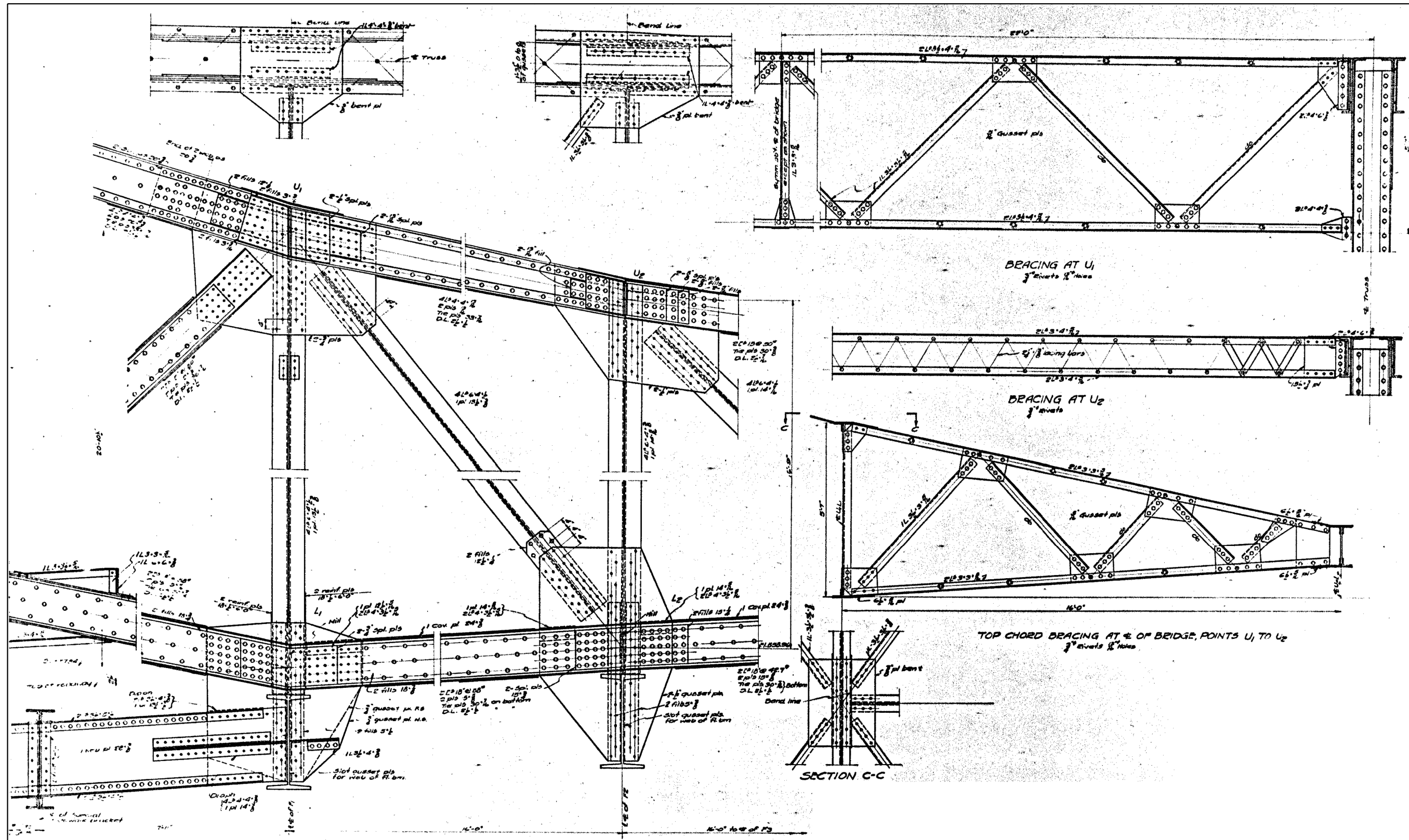
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STEEL DETAILS
 STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	24
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				



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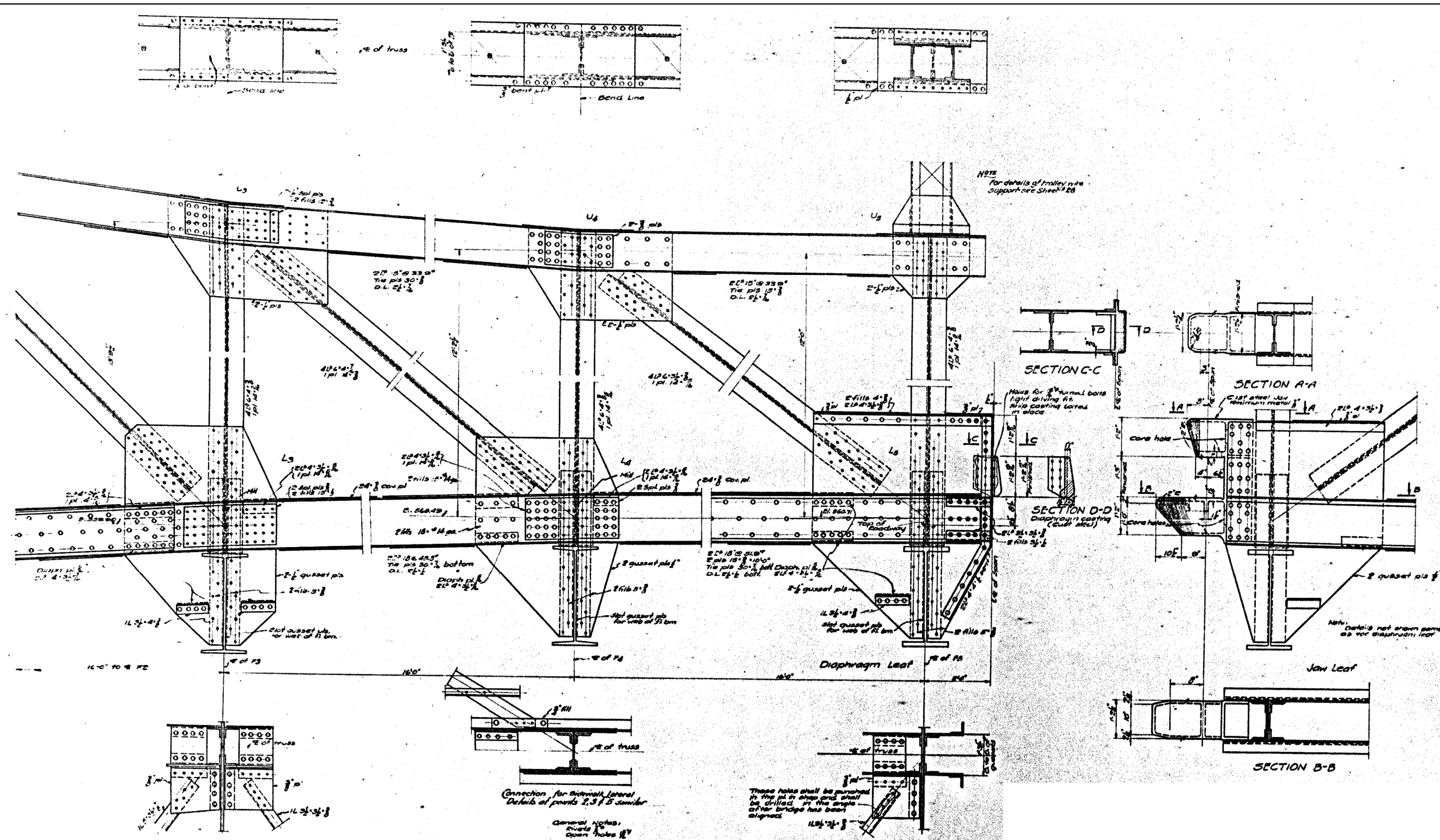
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL DETAILS
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	25
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				



NOTE
For details of truss in
support see Sheet 28

SECTION C-C

SECTION A-A

SECTION D-D
Diaphragm casting
(cast steel)

SECTION B-B

Connection for Sitwell lateral
Details of points 2, 3 & 5 similar

General Notes:
Drills for
Open Holes

These holes shall be punched
to the pl. at shop and shall
be drilled in the angle
after bridge has been
erected

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ENGINEERS

USER NAME = dredzic	DESIGNED -	REVISED -
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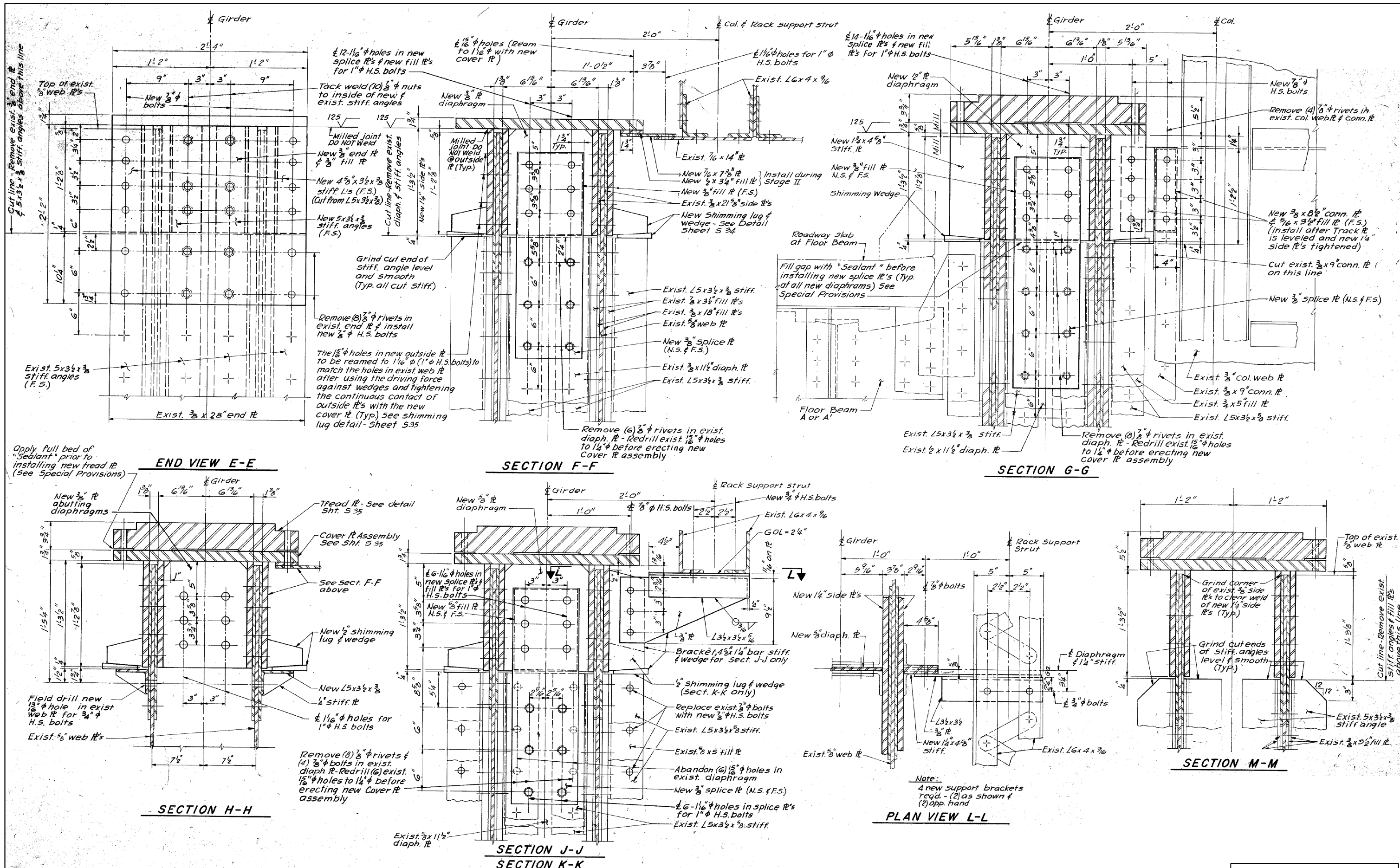
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL DETAILS
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	26
CONTRACT NO. 60Y85				

ILLINOIS FED. AID PROJECT



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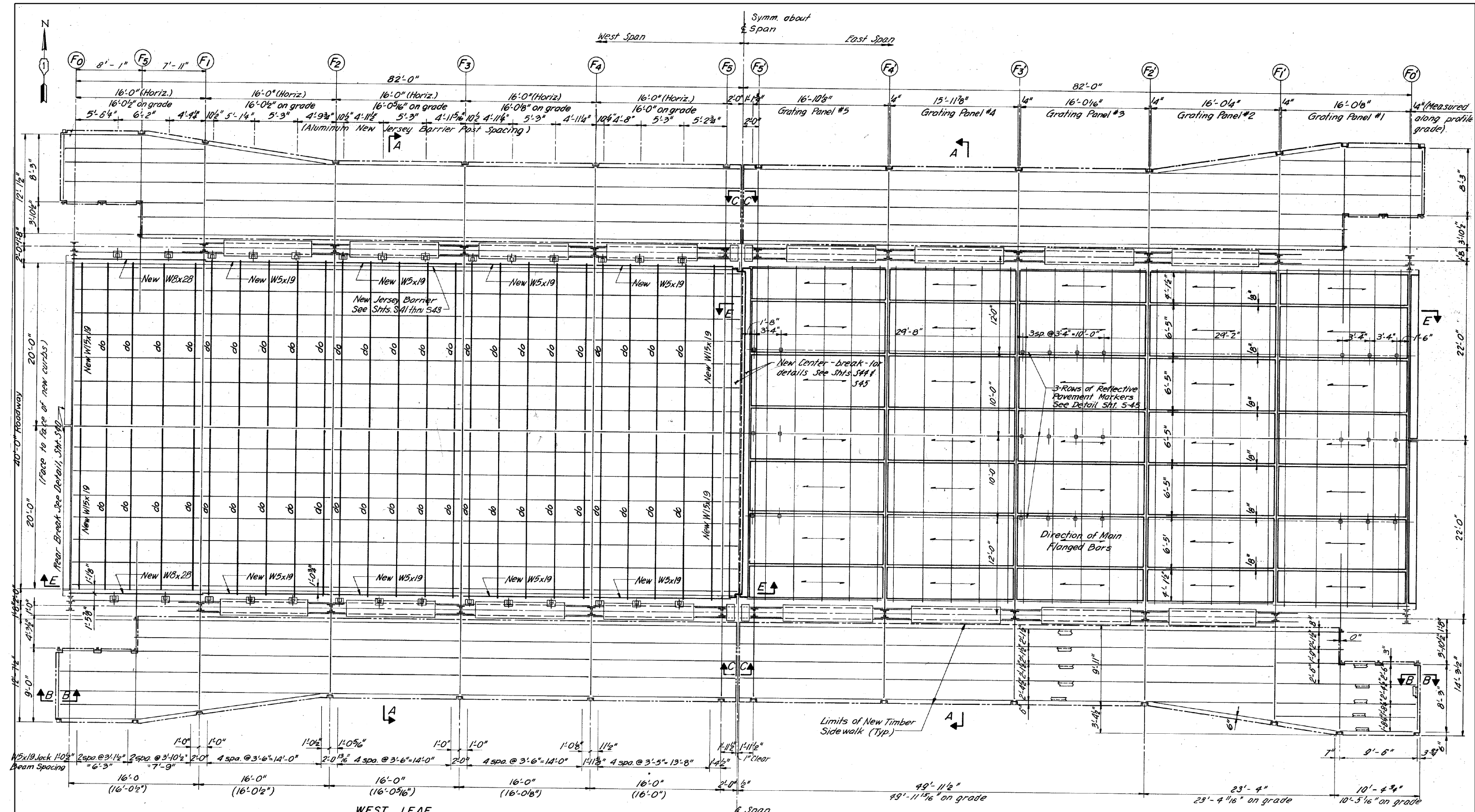
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRACK GIRDER SECTIONS AND DETAILS
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	1288P	WILL	41	27
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL		
ITEM	UNIT	TOTAL
Open Steel Floor	Sq. Ft.	6720
Treated Timber	F.B.M.	3318
Hardware	Lbs.	11100
Furnishing and Erecting	Lin. Ft.	336
Aluminum Parapet		

WEST LEAF
 Showing New W5x19 Jack Beams-East
 Leaf Opposite Hand, unless noted otherwise
PLAN OF ROADWAY GRATING, JACK BEAMS, TIMBER SIDEWALK AND JERSEY BARRIER
EAST LEAF
 Showing New Roadway Grating-West
 Leaf Opposite Hand, unless noted otherwise

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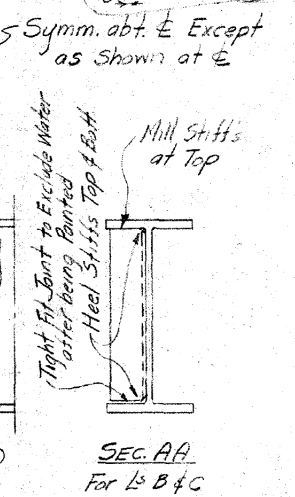
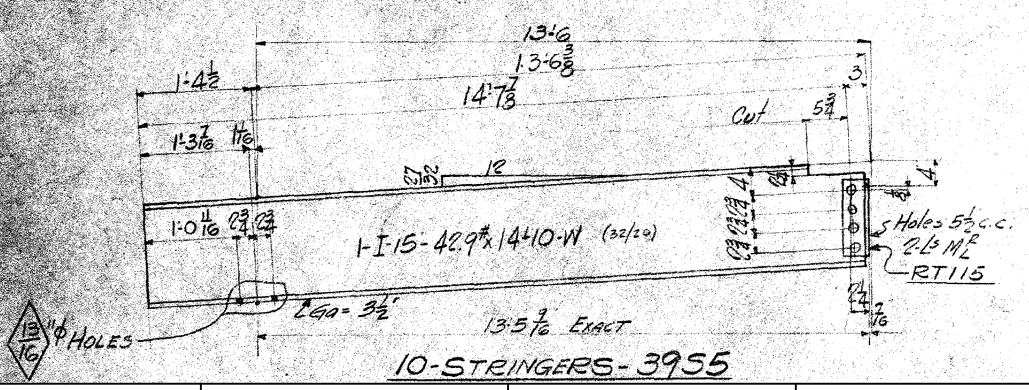
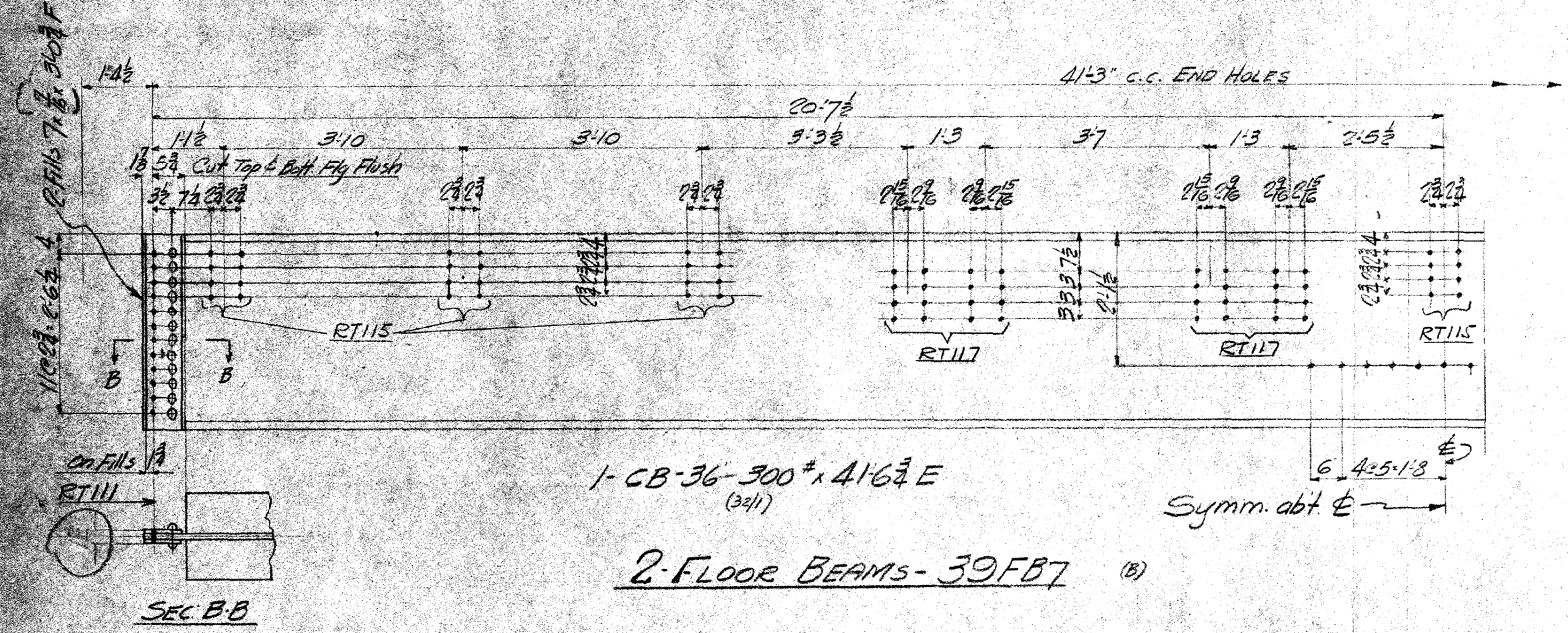
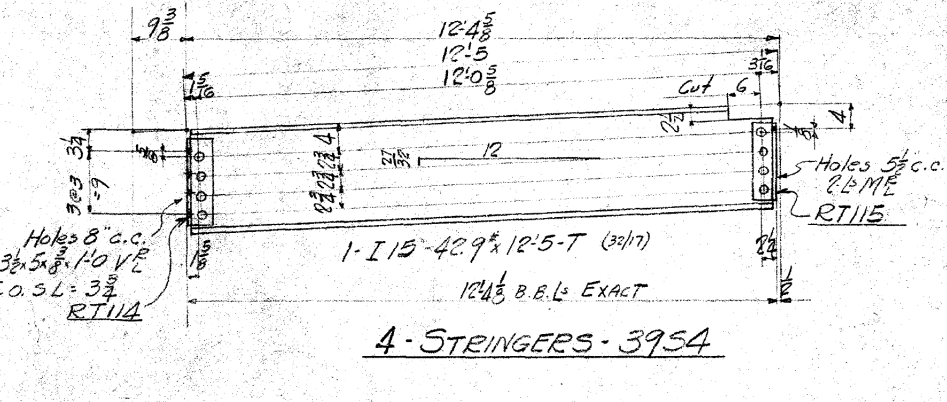
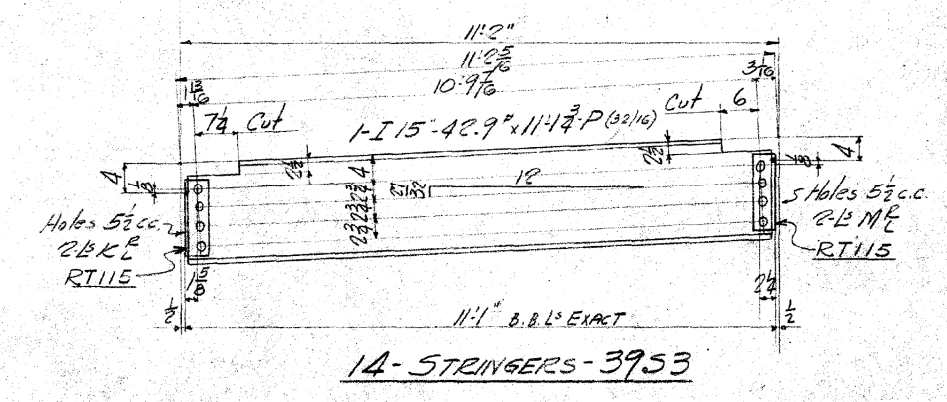
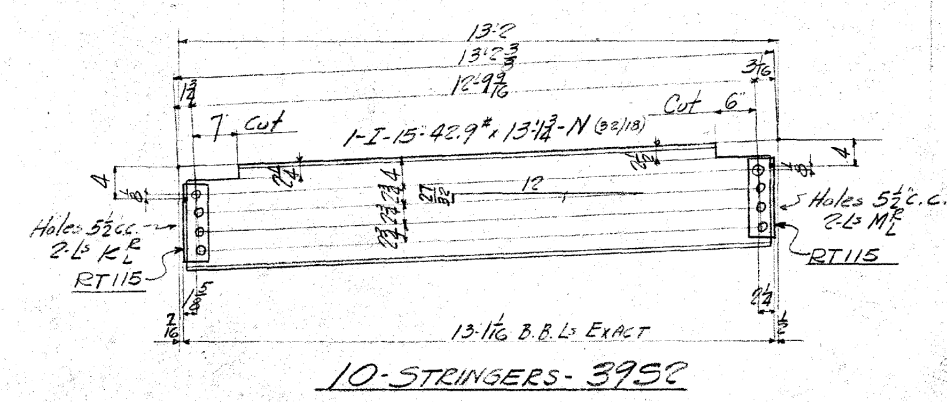
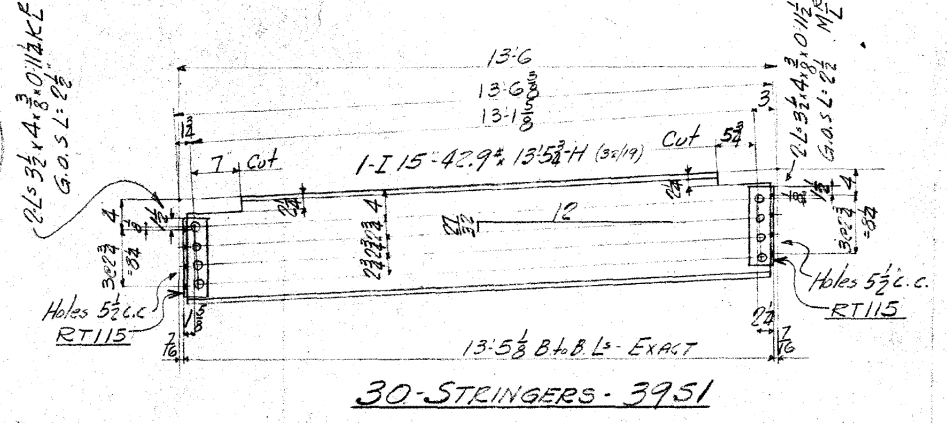
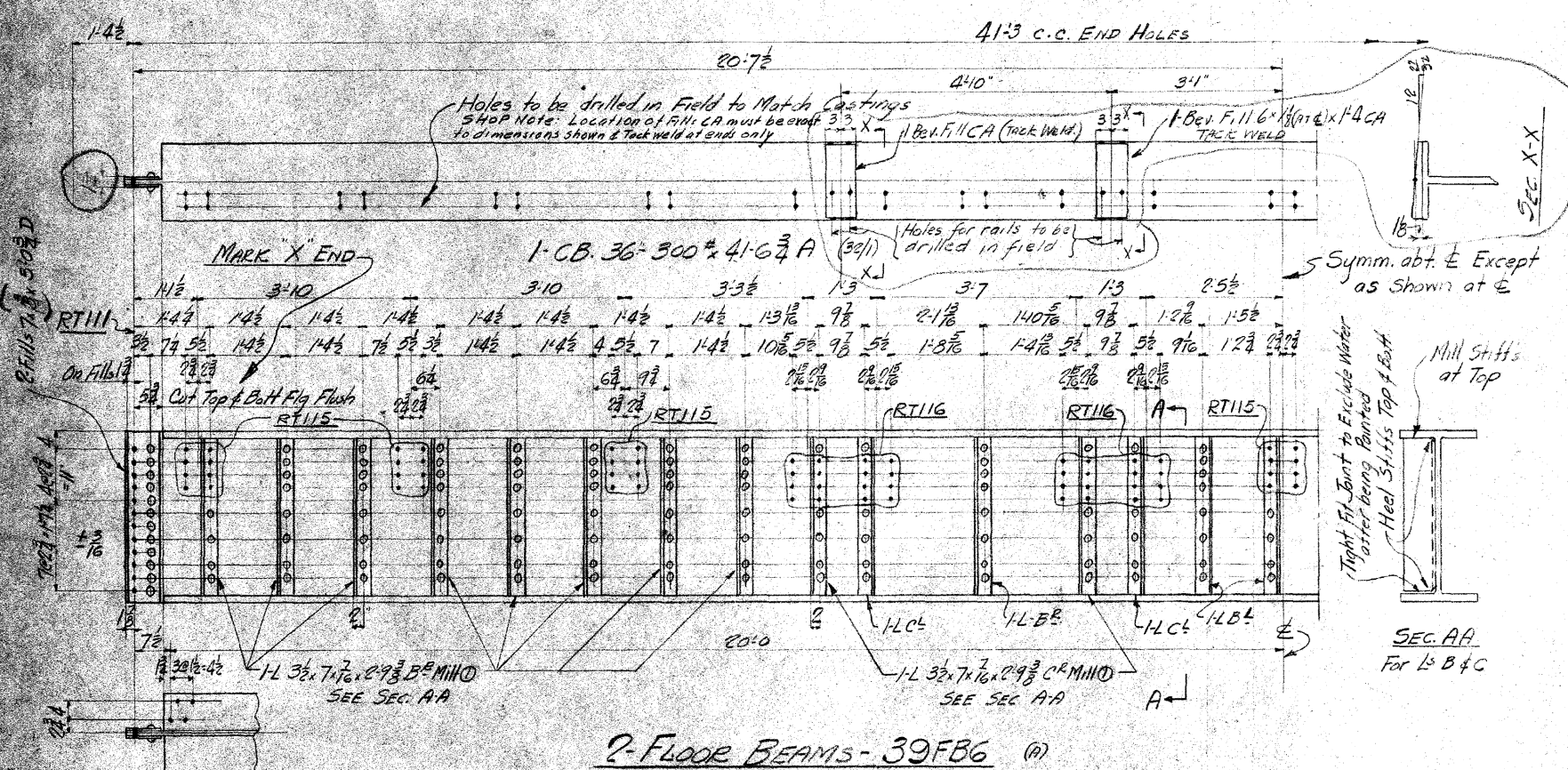
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BASCULE SPAN ROADWAY PLAN
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	1288P	WILL	41	29
			CONTRACT NO. 60Y85	
ILLINOIS FED. AID PROJECT				



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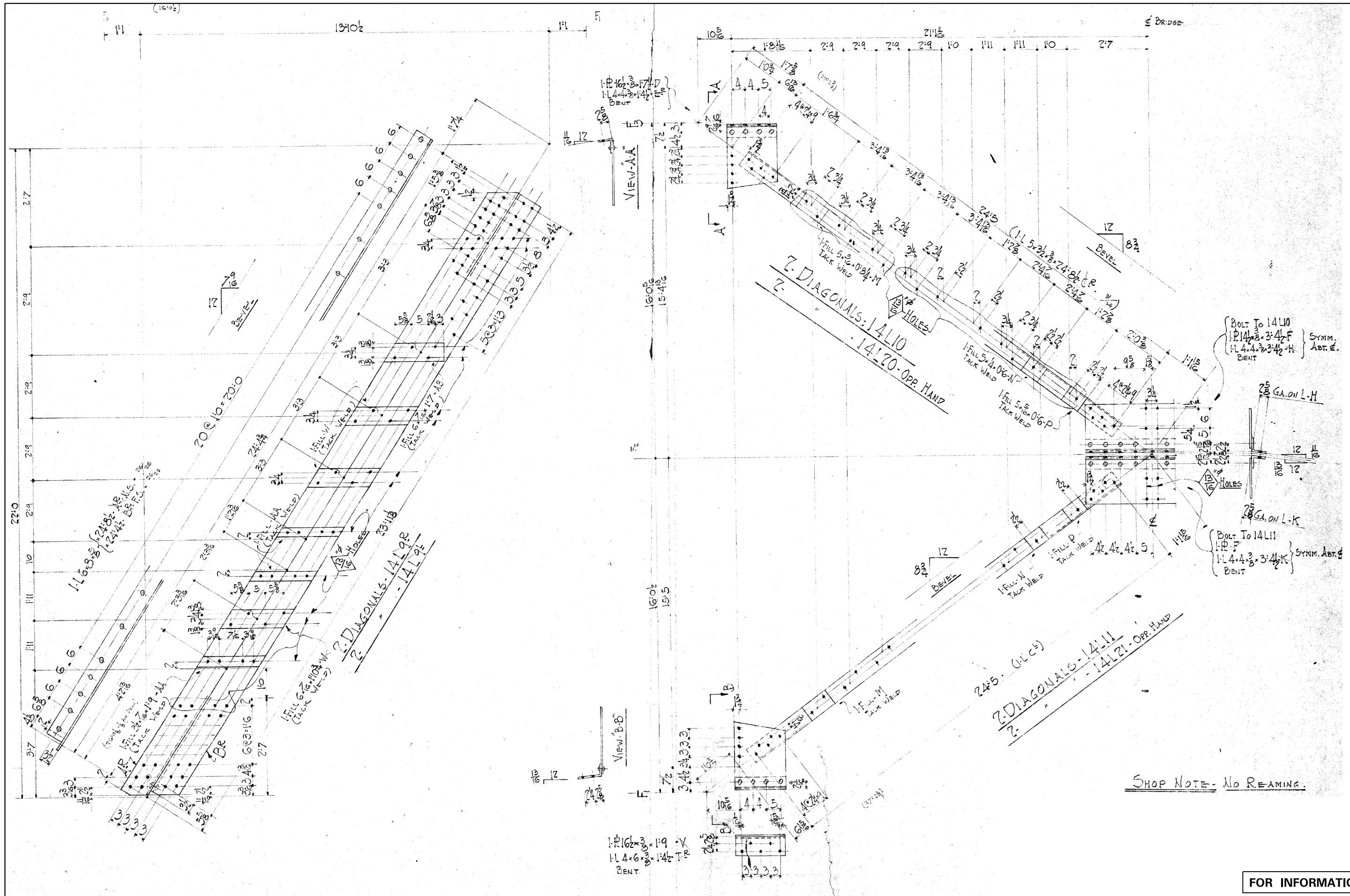
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH FLOOR BEAMS AND STRINGERS
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	31
			CONTRACT NO. 60Y85	
ILLINOIS FED. AID PROJECT				



SHOP NOTE - NO REAMING.

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COLLINS ENGINEERS

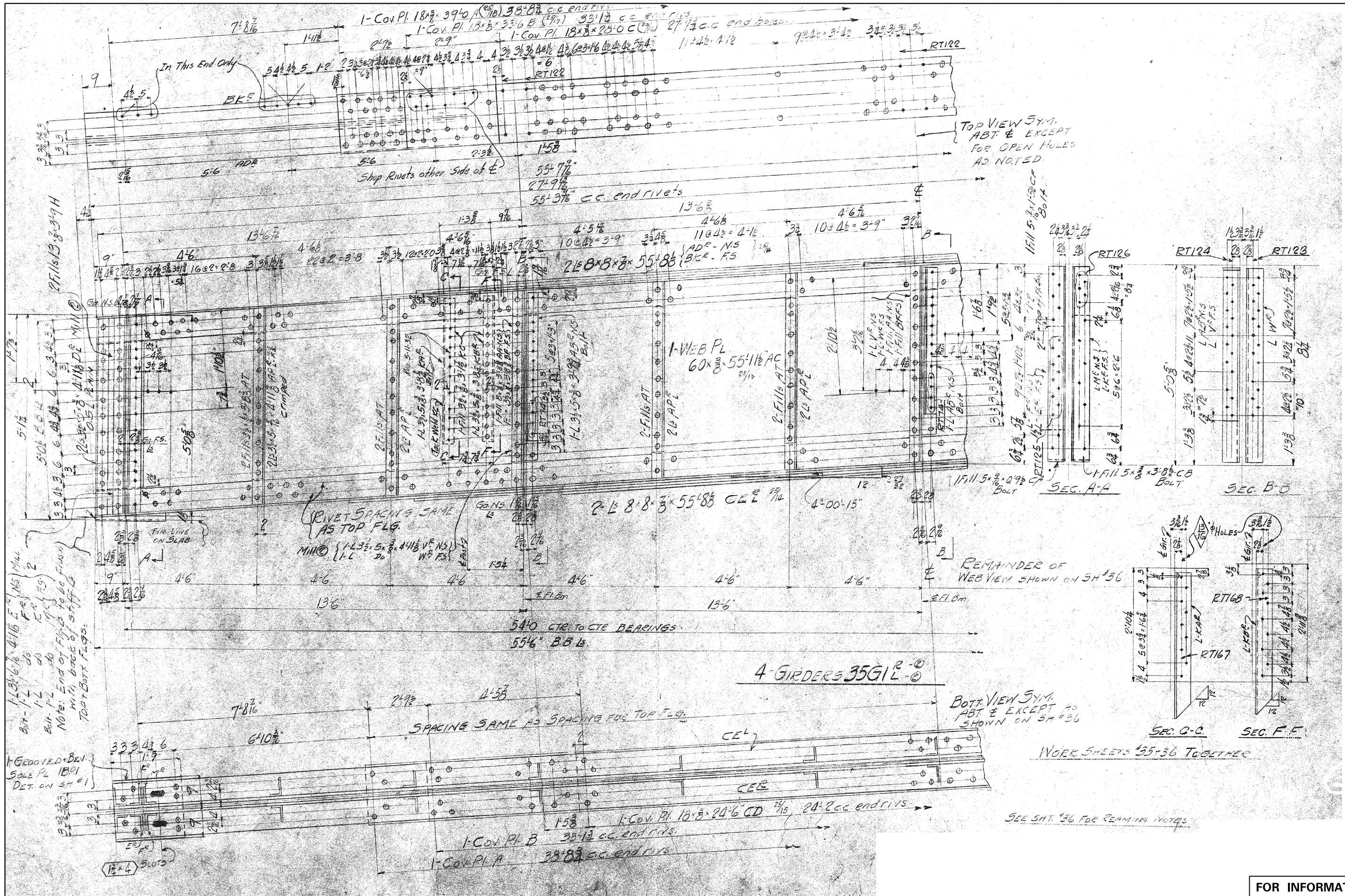
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BASCULE SPAN FLOOR LATERALS I
STRUCTURE NUMBER: 099-0166

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	1288P	WILL	41	34
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				



COLLINS ENGINEERS

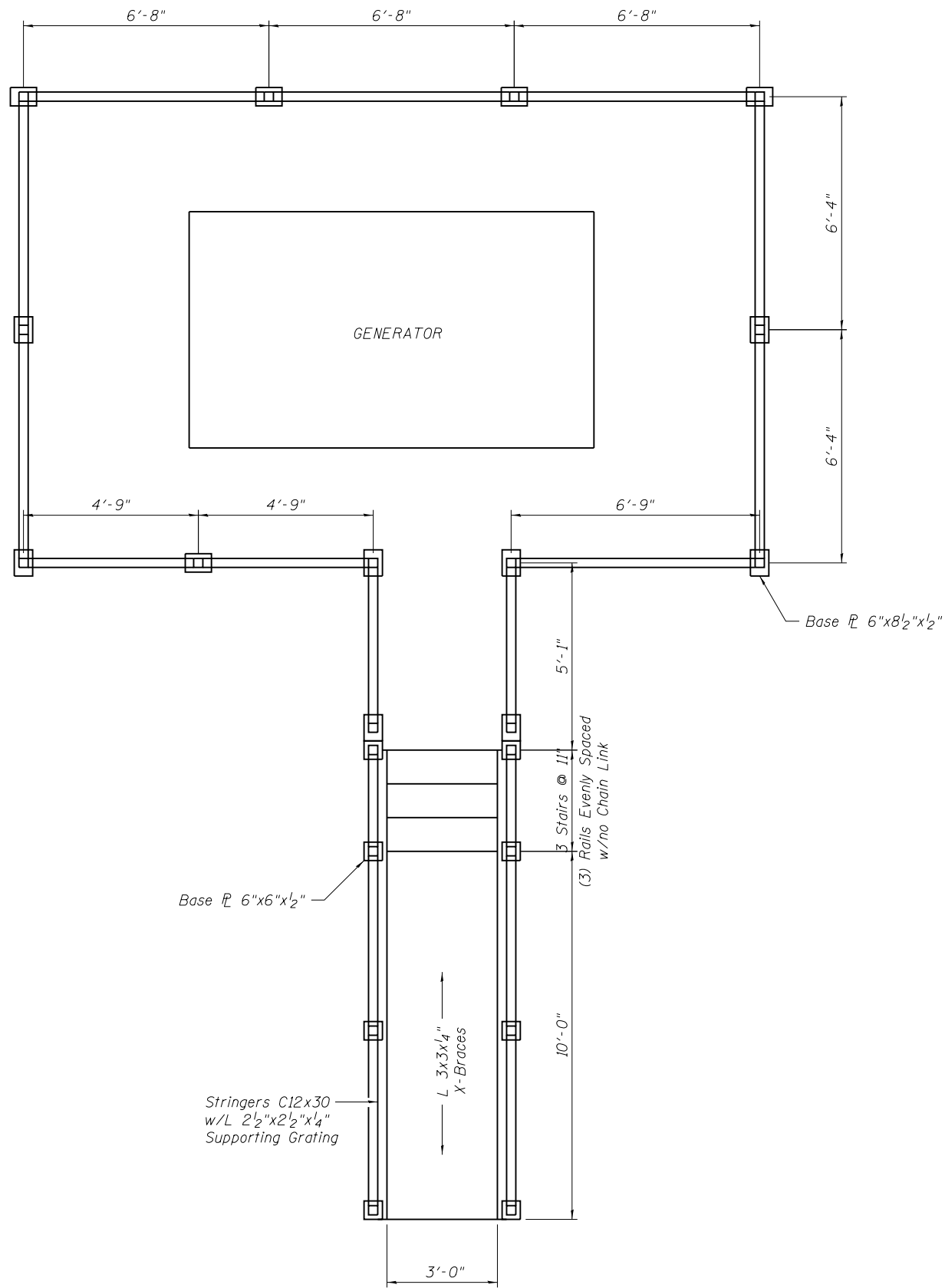
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

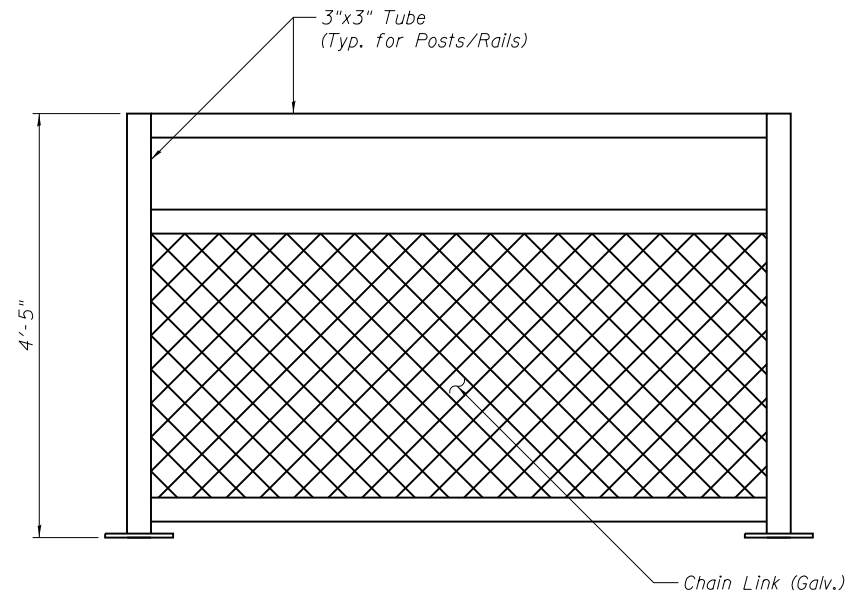
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SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	128BP	WILL	41	35
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				

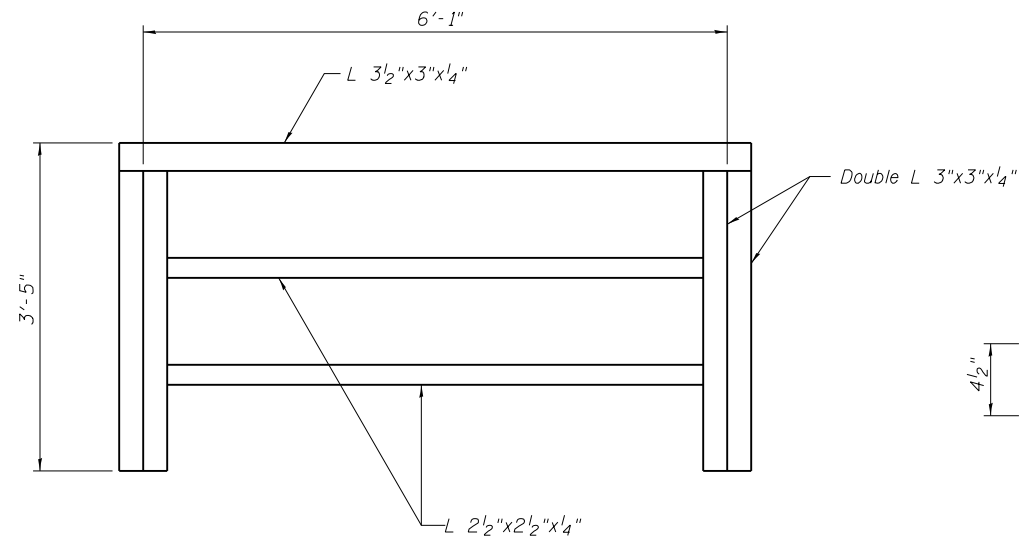
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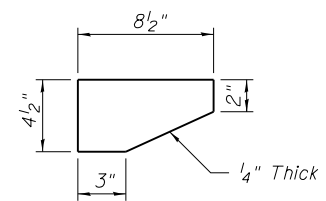


TYPICAL ELEVATION VIEW



**TYPICAL ELEVATION VIEW
TRACK GIRDER HANDRAIL**

- 4 Panels @ 6'-1"
- 1 Panel @ 5'-0"
- 1 Panel @ 4'-9"
- 1 Panel @ 4'-2" (Top Rail Extends Additional 2'-5")




CONNECTION PLATE (GUSSET)
Bottom and Middle Rails


FOR INFORMATION ONLY


USER NAME = dredzic	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 4.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/14/2014	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	1288P	WILL	41	39
CONTRACT NO. 60Y85				
ILLINOIS FED. AID PROJECT				






ROUTE MARKERS

 FOR U.S. ROUTES
MI-40-2424

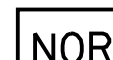
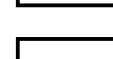
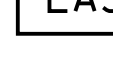

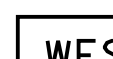
 FOR ILLINOIS ROUTES
MI-50-2424

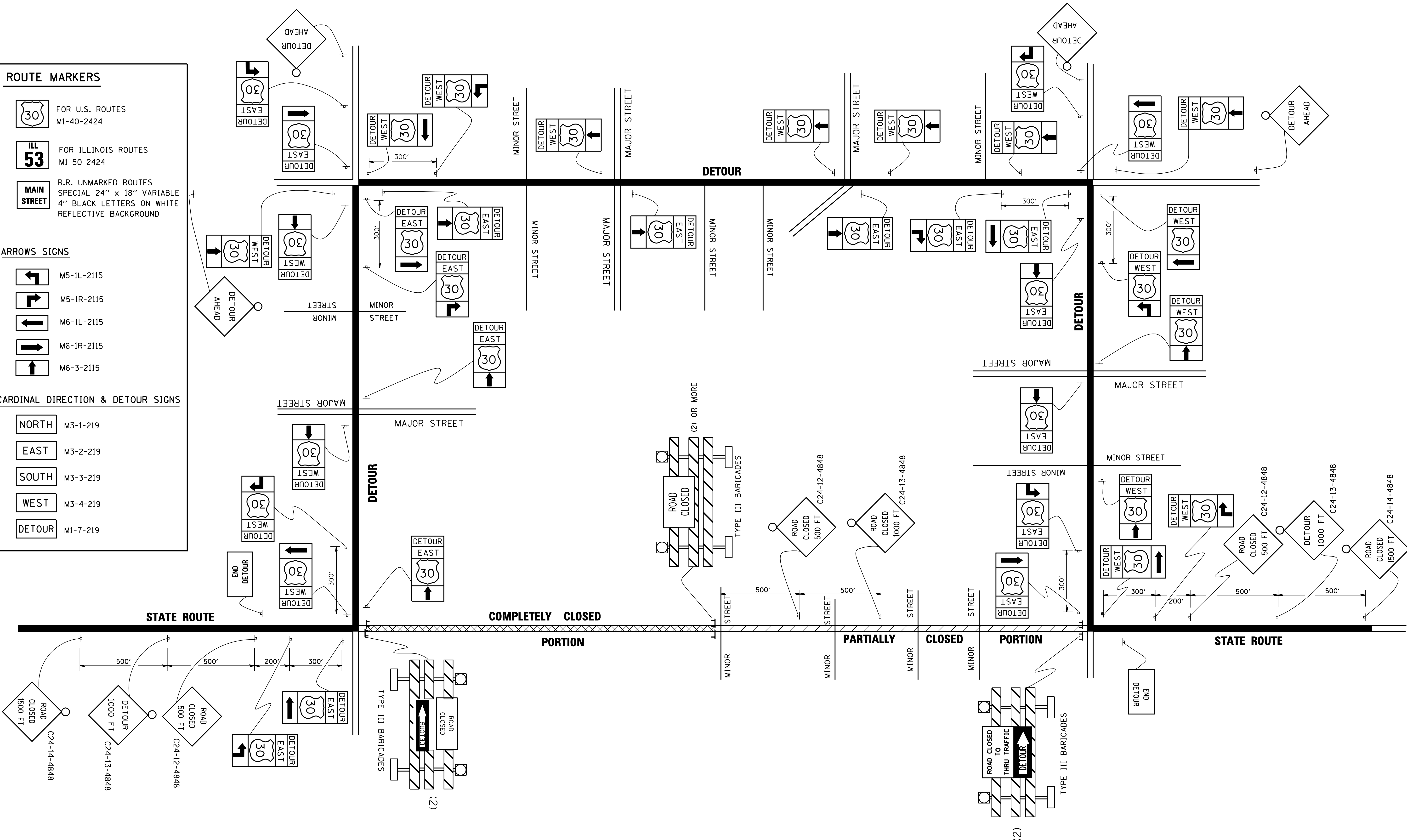
 R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

-  M5-1L-2115
-  M5-1R-2115
-  M6-1L-2115
-  M6-1R-2115
-  M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

-  NORTH M3-1-219
-  EAST M3-2-219
-  SOUTH M3-3-219
-  WEST M3-4-219
-  DETOUR MI-7-219



FILE NAME = W:\diststd\22x34\to21.dgn

USER NAME = gaglanobt
PLOT SCALE = 50.0000' / IN.
PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED - 10-18-02
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL MARKING
FOR CLOSING STATE HIGHWAYS**
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 607	SECTION 128BP	COUNTY WILL	TOTAL SHEETS 41	SHEET NO. 40
TC-21		CONTRACT NO. 60Y85		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				